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Core-Curriculum

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Core Program

Jeremy R. Knowles, Amory Houghton Professor of Chemistry and Biochemistry (*Chair*) (*on leave 2002-03*)

Peter J. Burgard, Professor of German

Andrew Gordon, Professor of History (*on leave 2002-03*)

Benedict H. Gross, George Vasmer Leverett Professor of Mathematics

Robert P. Kirshner, Clowes Professor of Science

Susan Pedersen, Professor of History (*ex officio*)

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

R. J. Tarrant, Harvard College Professor and Pope Professor of the Latin Language and Literature (*on leave fall term*)

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. The courses within each area or subdivision of the program are equivalent in the sense that, while their subject matter may vary, their emphasis on a particular way of thinking is the same.



Foreign Cultures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

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

Note: Expected to be given in 2002–03.

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

Catalog Number: 8705

Nur Yalman

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

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

Note: Expected to be omitted in 2002–03.

[Foreign Cultures 19. El poder y lo sagrado: figuras de un conflicto en las literaturas hispanicas]

Catalog Number: 6597



Luis Fernández-Cifuentes

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

Starting with the identification of modern notions of Power (from Horkheimer to Foucault) as well as modern intimations of the Sacred (mostly vis-à-vis Religion), the course will go on to analyze Hispanic representations of both Power and the Sacred—their iconography and, especially, their interaction with each other in certain strategies of seduction and resistance which seem to characterize Hispanic Modernity—in five films and in the works of twenty major contemporary writers, from Galdós to Cortázar, from Unamuno to García Márquez.

Note: Expected to be given in 2002–03. Conducted in Spanish.

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 10, and a weekly section to be arranged. EXAM GROUP: 3

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

Note: Conducted in French.

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

Catalog Number: 0656

Marlies Mueller

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

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

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

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

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

Catalog Number: 0591

Marlies Mueller

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

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



Balzac, Beineix, Godard, Renoir, Sartre, and Stendhal.

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

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

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

Catalog Number: 0580

Peter J. Burgard

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12
Examines literary, philosophical, religious, and political movements of the period 1500–1775, from the Reformation to the Enlightenment. Analysis of the social and political implications of texts from that time and consideration of their critical reception in the 20th century. Focus on the relevance of this early age in German cultural history for our own age.

Note: Expected to be omitted in 2002–03. Readings in German, discussions in German and English.

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

Foreign Cultures 32. Jugend gegen Hitler

Catalog Number: 5463

Judith Ryan

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

The course will treat a series of fictional, cinematic, biographical, autobiographical, and documentary works that depict young people coming to terms with everyday life in Germany during the Nazi regime. Attention will also be paid to the language of Nazi proclamations and opposition pamphlets and flyers. Topics explored include youth resistance movements, the ubiquitous influence of the Hitler Youth, life in hiding from the Nazis, and the concentration camp experience.

Note: Expected to be omitted in 2002–03. Reading and discussion entirely in German; papers and exams in English.

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

Foreign Cultures 34. Mesoamerican Civilizations

Catalog Number: 3196

William L. Fash and David S. Stuart

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

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



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

Catalog Number: 6357

Orlando Patterson

Half course (fall term). Tu., Th., at 11; W., at 12, and a weekly section to be arranged. EXAM GROUP: 13

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

Note: Expected to be omitted in 2002–03.

[Foreign Cultures 48. The Cultural Revolution]

Catalog Number: 6474

Roderick MacFarquhar

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

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

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

Foreign Cultures 56. Jewish Life in Eastern Europe

Catalog Number: 1271

Jay M. Harris

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

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

Note: Expected to be omitted in 2002–03.

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

Catalog Number: 1976

Hue-Tam Ho Tai

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



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

Note: Expected to be omitted in 2002–03.

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

Catalog Number: 2628 Enrollment: Limited to 216.

James L. Watson

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12
 Examines Chinese culture from the “bottom up” with emphasis on the structure of everyday life. The first half deals with prerevolutionary (noncommunist) society. Topics include marriage and adoption strategies, concubinage, inheritance patterns, gender roles, lineage organization, and life crisis rituals. Second half focuses on postrevolutionary society and Maoist attempts to construct a new culture. Topics include land reform and collectivization, marriage, women’s liberation, changing family organization, antisuperstition campaigns, population control, and the impact of post-Mao reforms. Ethnographic laboratories (sections) examine issues such as footbinding, arranged marriage, and political campaigns.

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

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

Catalog Number: 9028

Stephen Owen

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

Examines the role Chinese literary texts have played in articulating the place of the individual as part of, or against, the authority of community and state. Beginning with the celebrations of social integration in the early parts of the *Classic of Poetry* (early first millennium B.C.), we will follow the increasingly complex role literature came to play, both as a critic of authority and as establishing a domain of private life.

Note: Expected to be omitted in 2002–03. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts A, but not both.

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

Catalog Number: 1065

Ali S. Asani

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

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



period. Briefly considers the contemporary situation of Muslims as a religious minority in Europe and the United States.

Note: Expected to be given in 2002–03.

Foreign Cultures 72. Russian Culture from Revolution to Perestroika

Catalog Number: 5581

Svetlana Boym

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

Explores 20th-century Russian culture through literature, art, and film. Topics include art and revolution, utopian imagination and the authoritarian state, the rewriting of history through literature and film, art of the fantastic and the literature of exile, postcommunism and postmodernism, the search for national identity, and resistance to nationalism. Proceeds from revolutionary avant-garde art and artistic experimentation of the 1920s to the declaration of Socialist Realism and the experience of Stalinism, from the dissident art of the 1960s 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 omitted in 2002–03.

Foreign Cultures 74. Cultures of Southern Europe

Catalog Number: 0603

Michael Herzfeld

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

This is a survey of the modern cultures of Cyprus, Greece, Italy, Malta, Portugal, and Spain. Southern Europe has been viewed as both the fount of “Western civilization” and as a poor and crime-ridden backwater; it has been home to imperial powers and humiliated client-states alike. Through the reading of anthropological field studies (urban and rural), literary and historical portrayals, and artistic representations (including film and opera), this course focuses on what such contradictions mean for people in those countries at the level of everyday life, and provides an account of differences as well as similarities among the countries discussed.

Note: Expected to be omitted in 2002–03.

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

Catalog Number: 3396

Eric Rentschler

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

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

Note: Expected to be given in 2002–03. No knowledge of German required.


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

Catalog Number: 0671

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

Focuses on the nordic world (Denmark, the Faroes, Finland, Iceland, Norway, and Sweden) in the 20th century, but begins with early 19th-century nationalist aspirations tied to folklore collecting and literary movements (e.g., the *Kalevala*). Examines the “valorization” of peasant culture, pre-Christian paganism, and other aspects of nordic cultural history in a wide variety of cultural monuments (e.g., paintings, museum displays, films, and literary works). Traces the question of who shapes public perceptions of “national cultures” in Scandinavia in selected periods, including the Nazi occupation, the “sex, suicide, and socialism” stereotype of the 1960s, and contemporary settings (e.g., the Olympic Games).

Note: Expected to be given in 2002–03.

Foreign Cultures 80. The Cultural Identities of Modern Korea

Catalog Number: 8798

David McCann

Half course (fall term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3
 Surveys the development of Korean cultural identity in literature, art, music, and the writing of history from the first unified kingdom, Silla, in the 7th century, through the succeeding Koryô and Chosôn kingdoms, and into the first half of the 20th century. Then examines modern Korea—the Japanese colonial occupation, 1910–1945; liberation, division, and the Korean War, 1945–1953; the separate cultural regimes in north and south; and hopes for reunification—in the context of its cultural productions.

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

Catalog Number: 2619

William E. Granara

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

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

Note: Expected to be given in 2002–03. No knowledge of Arabic required.

Cross-listed Core courses that satisfy the Foreign Cultures requirement

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

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

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

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

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



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

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

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

Historical Study B-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 course that satisfies the Foreign Cultures requirement

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

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

Historical Study

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

Historical Study A

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

Historical Study B

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

Historical Study A



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

Catalog Number: 5129

Andrew Moravcsik and Stephen Rosen

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

EXAM GROUP: 3

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

Historical Study A-13. China: Traditions and Transformations

Catalog Number: 5243

Peter K. Bol and Endymion Porter Wilkinson

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

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

Note: Expected to be omitted in 2002–03. 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

Andrew Gordon and Joan Piggott

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

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

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

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

Catalog Number: 8301



Devesh Kapur

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

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

Note: Expected to be given in 2003–04. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

Historical Study A-16. The Making of Modern South Asia

Catalog Number: 9058

Sugata Bose

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

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 covers the history, culture, and political economy of the subcontinent from 1526 to the present. Major topics include the formation of Indo-Islamic cultures; the transition to colonialism; social, economic, and cultural change under British rule; nationalism before and after Gandhi; regional and religious identities; decolonization and partition; the character of the post-colonial era in India, Pakistan, and Bangladesh. Significant use of primary written sources (in English) and multi-media presentations.

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

Catalog Number: 6861

John H. Coatsworth

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

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

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

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

Catalog Number: 8149

Ann M. Blair

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

Examines from a historical perspective one of the central themes in the Western intellectual tradition: the desire to reconcile rational philosophy with religious and biblical authority. Discusses the transformations in conceptions of reason, science, biblical interpretation, and



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

Note: Expected to be given in 2002–03.

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

Catalog Number: 3555

Laurel Thatcher Ulrich

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

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

Note: Expected to be given in 2002–03.

Historical Study A-34. Medicine and Society in America

Catalog Number: 1552

Allan M. Brandt

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

Surveys major developments in the history of American medicine since the discovery of the New World. Emphasis placed upon setting the practice of medicine as well as the experience of health and disease into broad social, cultural, and political contexts. Topics include the social and cultural impact of epidemic disease; the nature of demographic and epidemiological change; the development of medical therapeutics and technologies; the growth of health care institutions; the rise of the medical profession; and debates about the allocation of health care resources. Evaluates the role of medicine in addressing social needs as well as the social and economic determinants of patterns of health and disease.

Note: Expected to be omitted in 2002–03.

Historical Study A-35. Democracy in America and Europe

Catalog Number: 9060

James T. Kloppenberg

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

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



relation to changing attitudes and practices concerning social hierarchy, race, and gender.

Note: Expected to be omitted in 2002–03.

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

Catalog Number: 5423

Cemal Kafadar

Half course (spring 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 variety of ways in which the two civilizations perceived and imagined each other. Focus on common roots and mutual influences. Analysis of (mis)perceptions as historically constructed cultural categories and of their legacy in the modern world.

Note: Expected to be omitted in 2002–03.

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 (fall 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 United States.

Note: Expected to be omitted in 2002–03.

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 weekly section to be arranged. EXAM GROUP: 7, 8

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

Note: Expected to be omitted in 2002–03.

**Historical Study A-53. The Chinese Revolutionary Tradition**

Catalog Number: 1667

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

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

[Historical Study A-68. The Making and Remaking of the Modern Middle East]

Catalog Number: 1845

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

Examines the political and social history of the Arab countries of the Middle East (including North Africa) as well as Iran, Israel, and Turkey. Provides a basis for the understanding of the politics of the region in the late 20th century. Major themes are the creation and transformation of the modern states and of their political systems in the period since World War I, and the transformation of Middle Eastern society during this same period under the impact of colonialism, independence, regional wars, and oil. Attention also paid to theoretical discussions concerning modernization and development, including those which seek to define the role of the state.

Note: Expected to be given in 2002–03.**Historical Study A-70. International History**

Catalog Number: 2517

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

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

Note: Expected to be omitted in 2002–03.**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 20th-century China remains unanswered: what kind of government, society, and economy will ultimately replace the old imperial system? Part I defines basic themes: quests for national unity and international importance; population and ecological pressures; competition between capitalism and socialism; problems of democracy in Chinese political culture. Part II contrasts the revolutionary experiments of two "new Chinas" after 1950. Part III discusses contemporary reforms in the P.R.C. and Taiwan, and explores the future of "Greater China," in the light of its past.

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

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

Catalog Number: 3594

David Blackbourn

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

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 2002–03.

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

Catalog Number: 0541

Philip A. Kuhn

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

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



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

[Historical Study A-79. The Modern Police State]

Catalog Number: 3282

Terry D. Martin

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

Examines the impact of secret police practices on societies and states in the modern world.

Focuses on the Soviet Union and Nazi Germany, but makes comparisons with other European states and the USA. Topics will include surveillance, secret informers, policing technologies, secrecy, censorship, state terror, ethnic cleansing, the concentration camp; as well as popular adaptations such as rumors, bribery, forged identities, collaboration, resistance and denunciation. Ends with a discussion of attempts to deal with the legacy of the police state.

Note: Expected to be given in 2002–03.

[Historical Study A-80. The Cold War]

Catalog Number: 5222

Ernest R. May

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

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

Note: Expected to be given in 2002–03.

Historical Study A-81. Chinese Emigration in Modern Times

Catalog Number: 0303

Philip A. Kuhn

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

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

Note: Expected to be omitted in 2002–03.

Departmental course that satisfies the Historical Study A requirement

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

Afro-American Studies 10. Introduction to Afro-American Studies

**Historical Study B****[Historical Study B-04. Ancient Greek Democracy]**

Catalog Number: 6791

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

This course examines the origin, essential nature, and importance of ancient Greek democracy, which first took shape in the city-states of Greece over 2500 years ago. The first part of the course looks at the development of democracy, beginning with the earliest signs of pan-Hellenic egalitarianism and ending with the appearance of fully democratic governments in Athens and elsewhere. The second part considers the ideals and institutions of ancient democracy in the context of Greek society as a whole. Herodotus, Thucydides, Aristotle, and other ancient sources will be read in translation along with modern scholarly interpretations.

Note: Expected to be given in 2002–03.**[Historical Study B-09. The Christian Revolution]**

Catalog Number: 6389

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

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

Note: Expected to be given in 2002–03.**[Historical Study B-13. Charlemagne and the Birth of Medieval Civilization]**

Catalog Number: 2567

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

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

Note: Expected to be given in 2003–04.



Historical Study B-17. Power and Society in Medieval Europe: The Crisis of the 12th Century

Catalog Number: 2086

Thomas N. Bisson

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

Devoted to the strains and conflicts in which European government and law originated. Examines the transformation (ca. A.D. 1050–1250) of tribal societies in which exploitative lordship was the typical mode of power into political societies in which power was redefined in administrative and proto-bureaucratic ways and redistributed among social groups or classes claiming rights as such. Problems for explanation and discussion include the Investiture Struggle, social conflict in Catalonia and Flanders, new procedures in law and finance, the crisis of Magna Carta, and the origins of parliamentary representation and consent. Readings in primary sources, modern historians, and social anthropologists.

Note: Expected to be omitted in 2002–03.

[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 2002–03.

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

Catalog Number: 2264

Laurel Thatcher Ulrich

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

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

Note: Expected to be omitted in 2002–03.

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

Catalog Number: 3386

William E. Gienapp

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

**GROUP: 4**

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

Note: Expected to be omitted in 2002–03.

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

Catalog Number: 3834

Emmanuel K. Akyeampong

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

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

Note: Expected to be given in 2002–03.

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

Catalog Number: 4388

Charles S. Maier

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

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

Note: Expected to be omitted in 2002–03.

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

Catalog Number: 6497

Charles S. Maier

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

Examines the failure of the Versailles system, the Pacific conflict after 1937, the continental European war of 1939–41, the vast coalition struggle of 1941–45, and the bipolar postwar settlement. Topics include the strategic demands of multifront warfare; the role of city bombing,



intelligence, and partisan warfare; occupation regimes, collaboration and resistance; America's "good war" —the politics and culture of the home fronts; war costs, including the civilian toll; postwar purges, liberation movements, and commemoration.

Note: Expected to be given in 2002–03.

Historical Study B-56. The Russian Revolution

Catalog Number: 8064

Eric Lohr

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

The Russian Revolution was one of the great events of the twentieth century. Not only did it transform life for millions living within the Russian Empire and the revolutionary Soviet regime, which replaced it after a bloody civil war, but it also polarized international politics for the rest of the century. Taking a broad definition of "revolution," this course is not limited to the Bolshevik seizure of power in 1917. It examines the broad array of social, political, cultural, and economic "revolutions" from the late nineteenth century up to the Bolshevik consolidation of power in the early 1920s.

Note: Expected to be omitted in 2002–03.

Historical Study B-57. The Second British Empire

Catalog Number: 6756

Susan Pedersen and T. Robert Travers

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

This course explores the course and nature of the British empire from the late 18th century until the period after World War II. Three main issues are addressed: the establishment and character of British imperial rule, the domestic political and cultural ramifications of empire, and the process of decolonization. Using essays, diaries, political records, fiction, and film, students seek to understand both the experiences of particular colonies (especially Ireland, India, and Kenya) and the consequences of such rule for Britain itself.

Note: Expected to be omitted in 2002–03.

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

Catalog Number: 6840

Morton J. Horwitz (Law School)

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

Examines the significance of the Supreme Court during the Chief Justiceship of Earl Warren in the broader context of the development of American thought and society. Explores the basic premise that the Warren Era represented not only a major constitutional revolution but that it produced a fundamental transformation in the conception of the role of law in American society. Subjects to be studied are *Brown v. Board of Education*, the Civil Rights Movement, and the history of race relations; McCarthyism and civil liberties; the emergence of a right to privacy in *Griswold v. Connecticut*; and the "rights" revolution in jurisprudence.

Note: Expected to be omitted in 2002–03.



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

Catalog Number: 6974

Jorge I. Domínguez

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

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

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

[Historical Study B-67. Japan's Modern Revolution]

Catalog Number: 4164

Daniel V. Botsman

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

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

Note: Expected to be given in 2002–03.

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

Catalog Number: 3447

Hue-Tam Ho Tai and Ernest R. May

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

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

Note: Expected to be given in 2002–03.

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 Literati](#)

[Literature and Arts C-42. Constructing the Samurai](#)

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

Departmental course that satisfies the Historical Study B requirement

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

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

Literature and Arts

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

Literature and Arts A

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

Literature and Arts B

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

Literature and Arts C

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



Literature and Arts A

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

Catalog Number: 0691

Judith Ryan

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

An exploration of the theme of reading as presented in the novel from the 18th century to the present. Topics include misreading and escapist reading, confusing fiction with reality, modeling one's life on fiction, and misusing literature in relations of love and friendship. Attention also paid to narrative point of view, problems of intertextuality, and comedy, tragedy, and parody in the novel. Authors include Goethe, Flaubert, Fontane, Wharton, Sartre, Nabokov, Brookner, Barnes, and Ackroyd.

Note: Expected to be given in 2002–03.

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

Catalog Number: 7478

Maria Tatar

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

Analyzes cultural production for children in the larger context of childrearing practices, educational theories, and adult constructions of childhood. Addresses such issues as the folkloristic and literary representation of the child, the cult of childhood innocence, discipline and education, evil children, the cultivation of fantasy and imagination, canon formation, and the impossibility of children's literature. Authors include Charles Perrault, the Brothers Grimm, Hans Christian Andersen, Oscar Wilde, John Locke, Rousseau, Charlotte Brontë, Lewis Carroll, J. M. Barrie, Roald Dahl, Maurice Sendak, William Golding, Vladimir Nabokov, and others.

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

Catalog Number: 1177

Robert Kiely

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

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

Note: Expected to be given in 2002–03.

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

Catalog Number: 5808

Helen Vendler

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

A study of poetry as the history and science of feeling: readings in major lyric poems of England



and America. Emphasis on problems of invention and execution, and on the poet's choice of genre, stance, context, and structure. Other topics to be raised include the process of composition, the situating of a poem in its historical and poetic contexts, the notion of a poet's development, the lyric as dramatic speech, and the experimental lyric of the 20th century.

Note: Expected to be omitted in 2002–03.

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

Catalog Number: 6090

Lino Pertile

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13
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 omitted in 2002–03.

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

Catalog Number: 0172

Bennett Simon (Medical School)

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

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

Catalog Number: 0176

Marjorie Garber

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

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

Note: Expected to be omitted in 2002–03.

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

Catalog Number: 1624

Marjorie Garber

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

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The late comedies, tragedies, and romances, with some attention to the prevailing literary traditions of the Jacobean period. Particular attention paid to Shakespeare's development as a dramatist, and to poetic expression, thematic design, stagecraft, and character portrayal in the plays.

Note: Expected to be given in 2002–03.

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

Catalog Number: 1250

Ruth R. Wisse

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

Studies works in different languages and genres that variously interpret the experience of Jews in this century. Explores such issues as what information literature can provide, the relation of language and historical context to artistic strategy, and personal and national perspectives in narrative. Authors include Sholem Aleichem, Franz Kafka, Isaac Babel, Isaac Bashevis Singer, Shmuel Yosef Agnon, Primo Levi, Saul Bellow, and Cynthia Ozick.

Note: Expected to be omitted in 2002–03.

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

Catalog Number: 0287

Werner Sollors

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

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

Note: Expected to be given in 2002–03.

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 omitted in 2002–03.



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

Catalog Number: 3957

Patrick K. Ford

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

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

Note: Expected to be given in 2002–03.

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

Catalog Number: 7991

Peter Machinist

Half course (spring term). M., W., 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 2002–03.

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

Catalog Number: 7800

Leo Damrosch

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

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

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

Catalog Number: 3089

Alfred Thomas

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

Analyzes the cultural, political, and philosophical ramifications of central and eastern European utopia and anti-utopia. Includes discussion of such seminal examples of Czech, German, Polish, and Russian science fiction and film as Capek’s robot play *R.U.R.*, Lang’s *Metropolis*, Lem’s *Solaris* (as well as Tarkovsky’s Russian film version), and Zamyatin’s *We*.

Note: Expected to be given in 2002–03. All readings in English.



Literature and Arts A-76. Five Japanese Portraits

Catalog Number: 8909

Jay Rubin

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

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

Catalog Number: 7919

Stephen A. Mitchell

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12
 Examines the heroic legacy resulting from the historical events in northern Europe A.D. 800 to A.D. 1100, concentrating on the medieval Icelandic sagas. The course focuses on how these texts present their heroes as warriors, kings, poets, outlaws, and adventurers—as well as, to quote one 19th-century scholar, “farmers at fisticuffs.” The course considers several specific heroic traditions, such as the “Bear’s Son Tale” and the “Dragon-Slayer,” over time, and reviews how the viking image is received and shaped in later periods (e.g., the poetry of 19th-century Denmark, the art of Victorian England, the scholarship and pseudo-scholarship of our contemporary world). The elusive question of the North American colony of “Vinland” as a meaningful component of this legacy is examined in both its scientific and imaginative contexts.
Note: Expected to be omitted in 2002–03.

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

Catalog Number: 9297

William A. Graham, Jr.

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

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

Note: Expected to be given in 2002–03.

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 13. The English Bible](#)

[\[English 124d. Shakespearean Tragedy\]](#)

[English 150. British Romantic Poetry](#)

[English 151. The British Novel from Austen to Conrad in its European Context](#)

Literature and Arts B

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

Catalog Number: 0149

Henri Zerner

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

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

Note: Expected to be given in 2002–03.

[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.

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

Catalog Number: 2267

David Gordon Mitten

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

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



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

Note: Expected to be given in 2002–03.

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

Catalog Number: 5822

Suzanne P. Blier

Half course (fall term). M., W., 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.

Note: Expected to be omitted in 2002–03.

[Literature and Arts B-31. The Portrait]

Catalog Number: 4240

Henri Zerner

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14
The most famous of all works of art is a portrait. Sculptors and painters have made likenesses of individuals since the ancient Kingdom of Egypt. The portrait gives visual form to changing conceptions of individual existence, and its history can make us more conscious of how time-bound, how culturally determined is our own sense of self. The course examines how artistic conventions are established to give visual and tangible form to intuitions, feelings, and thoughts. Examples taken from a variety of periods with greater emphasis on the Western tradition from the Renaissance to the present.

Note: Expected to be given in 2002–03.

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

Catalog Number: 1678

Gülru Necipoğlu-Kafadar

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

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



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

Note: Expected to be omitted in 2002–03.

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

Catalog Number: 3767

Alice G. Jarrard

Half course (fall term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3
 Examines architectural works in dialogue with the social, cultural, political, and technological forces that shape them. Rather than simply surveying the works of architects including Bernini, Borromini, Guarini, Juvarra, Piranesi, Le Vau, Mansart, Ledoux, Hawksmoor, and Wren, we will approach their buildings and projects by studying selective historical moments in Italy, France, England, and Spain. Themes considered: the creation of the capital city; dialectics between urban and pastoral modes; innovation and the interpretation of the past; printmaking and architectural publication; and the audiences and ritual uses of architecture.

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

Catalog Number: 6029

David J. Roxburgh

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

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

Note: Expected to be given in 2002–03.

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

Catalog Number: 9186

Eugene Wang

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

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



role of space in the making of visual culture.

Note: Expected to be given in 2002–03.

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

Catalog Number: 0144

Thomas Forrest Kelly

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

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

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

Catalog Number: 1487

Robert D. Levin

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

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

Note: Expected to be given in 2002–03.

[Literature and Arts B-63. Bach in His Time and Through the Centuries]

Catalog Number: 1520

Christoph Wolff

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

A study of the music of J.S. Bach in various contexts. The discussion focuses on selected vocal and instrumental compositions of Bach (cantatas, motets, oratorios, concertos, sonatas, suites, preludes, and fugues) with particular attention to style, genre, and the music of major contemporaries. Beyond this, the encyclopedic nature of Bach's creative output, which renders him one of the most seminal figures in the history of music, lends itself to an examination of his relationship to musical traditions from the Middle Ages through the Baroque as well as his influence on compositional techniques and aesthetics from the 18th through the 20th centuries.

Note: Expected to be given in 2002–03.

[Literature and Arts B-64. The Symphonic Century: Orchestral Music from 1820 to 1914]

Catalog Number: 7707

Reinhold Brinkmann

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

The theory of the symphony reflected the aesthetics of the sublime, and the symphonic genres included works of extraordinary dimensions and complexity. The "symphonic intent" has always



been to present in music the main ideas and concerns of people and society. Mahler: “To me, symphony means constructing a world with all technical means at one’s disposal.” Focus: the “social character” of symphonies; their function as “building society”; public dimension and institutional aspects; the role of the orchestra and, in particular: to understand important and challenging works by Schubert, Mendelssohn, Berlioz, Brahms, Tchaikovsky, Dvorák, Mahler, and Ives.

Note: Expected to be given in 2002–03.

Literature and Arts B-65. Music in Fin-de-siècle Vienna: The Origins of Modernism

Catalog Number: 7260

Reinhold Brinkmann

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

As a means to understand (through guided listening and its reflection) basic principles and major artistic ideas of 20th-century music in general, this course will offer a demonstration and discussion of a “new music” that originated in Vienna after 1900: music-historical place, aesthetics, genres, composers, and single works of the so-called Second Viennese School. Representative compositions by Mahler, Schoenberg, Webern, and Berg, but also by Johann Strauss, Jr., will be studied in some detail. Special attention: historical background, sociocultural conditions, and interdisciplinary context (visual arts, literature, criticism, philosophy, science).

Note: Expected to be omitted in 2002–03.

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 11, and a weekly section to be arranged. EXAM GROUP: 4

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

Literature and Arts B-80. The Swing Era

Catalog Number: 1899

Robert D. Levin

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

Examines American jazz from the early 1930s—by which time the migration of leading musicians from New Orleans and Kansas City to Chicago, New York, and other metropolitan centers precipitated an evolution from the earlier Dixieland style—to the mid-1940s and the emergence of bebop. The essence of this period was swing—an elusive synthesis of foot-tapping rhythmic vitality with rhapsodic, soaring melodic invention. Investigates the relationship between arrangements and improvisation by comparing selected alternate takes. Considers



sociological issues and the relationship of swing-era jazz to classical music and popular song, to place swing's achievements into a broader historical and musical perspective.

Note: Expected to be omitted in 2002–03.

Literature and Arts C

[Literature and Arts C-14. The Concept of the Hero in Greek Civilization]

Catalog Number: 3915

Gregory Nagy

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

The true “hero” of this course is the logos or “word” of logical reasoning, as activated by Socratic dialogue. The logos of dialogue requires careful thinking, realized in close reading and reflective writing. The last “word” in the course will come from Plato’s memories of Socrates’ last days. These memories depend on a thorough understanding of heroic concepts in all their historical varieties throughout Greek civilization. This course leads to such an understanding through dialogues, guiding the attentive reader through many ancient Greek Classics, including works by Homer, Hesiod, Sappho, Alcman, Pindar, Theognis, Aeschylus, Sophocles, Euripides, Herodotus, and Plato.

Note: Expected to be given in 2002–03.

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 Hindu myths, images, and pilgrimages in the context of classical and modern Hindu culture. Studies the stories of the gods of India: Vishnu, Krishna, Shiva, and Devi; the heroes and heroines of the Ramayana and the Mahabharata; the temples and visual images of the gods and heroes in the classical and folk traditions; and the pilgrimages that link this mythological and artistic complex to the mountains, rivers, and cities of India.

Note: Expected to be omitted in 2002–03. 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 2002–03.



Literature and Arts C-22. European Culture in the Middle Ages

Catalog Number: 2020

Jan Ziolkowski

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

Studies the culture—literary, artistic, and musical—that was produced and disseminated in the Middle Ages through the fusion of classical education with Christian scriptures and liturgy. Examines major authors and texts in which this culture took shape and expressed itself (such as Augustine, *Song of Roland*, Chrétien de Troyes, *Tristan*, and Dante's *Inferno*). Relates texts to art, especially manuscript illumination.

Note: Expected to be omitted in 2002–03.

Literature and Arts C-25. The Medieval Stage

Catalog Number: 5114

Eckehard Simon

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

Case studies of major plays from medieval Europe (mainly France and England) and how they were staged in their original settings (churches, marketplaces, streets). Examines theater as worship and revelry in monasteries and cathedrals, as an expression of emerging town culture, and as a mass medium of religious instruction. Explores the architecture of theater spaces, different stage types, the “theater” of medieval art, and the role of music. Illustrated lectures. If there is interest in sufficient number, students will do research on and stage a medieval play.

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

Catalog Number: 2798

Michael S. Flier

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

An introduction to the culture of the medieval East Slavs, precursors of the Russians, Ukrainians, and Belarusians. Exemplars of icon and fresco painting, architecture, ritual, music, folklore, and literature are analyzed in historical and social context for clues to the evolution of an apocalyptic worldview, extending from the Christianization of Rus’ in the 10th century to the advent of Peter the Great at the end of the 17th century.

Note: Expected to be given in 2002–03. 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 2002–03. No knowledge of Russian required.

[Literature and Arts C-37. The Bible and Its Interpreters]

Catalog Number: 1255

James L. Kugel

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

Seeks to acquaint students with the principal parts of the Hebrew Bible and to provide some exposure to the different ways in which the Bible has been read and interpreted in various periods, from late antiquity to modern times. To achieve this, the course concentrates on a group of central biblical figures whose stories are examined in the context of ancient Israelite history and society, and then compared with later, often fanciful, elaborations of these same biblical tales by Jewish and Christian interpreters.

Note: Expected to be given in 2002–03.

Literature and Arts C-40. The Chinese Literati

Catalog Number: 5226

Peter K. Bol

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

Examines from literary, philosophical, and historical perspectives the creation in later imperial China of an enduring national culture, which flourished through dynastic change and foreign conquest. Particular attention is given to the role of the literati and their work as poets, essayists, novelists, painters, moral philosophers, and political thinkers. Themes include the relation of culture to political authority, the search for grounds for individual autonomy, the literary and artistic representation of the self, growing ambivalence toward political service, and the rise of individualism. Introduces Chinese approaches to interpreting literary, artistic, and philosophical works.

Note: Expected to be omitted in 2002–03. 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: For students under the Core requirement, counts as either Literature and Arts C or Historical Study B, but not both.

Literature and Arts C-43. The Medieval Court

Catalog Number: 5794



Eckehard Simon

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

In the High Middle Ages (1100–1250), the European aristocracy created a court culture that became a permanent part of the Western heritage. We study this civilization by reading its greatest literature: the Roland epic, lyrics of the troubadours and minnesingers, the tales of Marie de France, the Arthurian and grail-quest romances of Chrétien and Wolfram, Gottfried's *Tristan*. To probe the complex interrelationship between literature and life, we look, in slide lectures, at the historical context: feudal society, castles and castle life, women and marriage, "courtly love," knights and chivalry, court art, major courts, notable lives.

[Literature and Arts C-47. Language, Literature, and Power in the Early Modern Hispanic World (1492–1700)]

Catalog Number: 2205

Mary Gaylord

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

Studies relations between literature, historiography, and politics during Spain's imperial expansion. Examines writing as program and tool for conquest and as script for the encounters with an American "Other." Considers ways the New World experience reshaped European thinking about human nature, heroic identity, monarchy, utopias, and the powers of spoken and written words. Sources include legal and diplomatic documents, texts by Machiavelli, Erasmus, More, Montaigne, Columbus, Cortés, Vitoria, Las Casas, Díaz del Castillo, Cabeza de Vaca, Inca Garcilaso, Cervantes, Sor Juana Inés de la Cruz.

Note: Expected to be given in 2003–04. Readings in English translation or in original languages.

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

Catalog Number: 6984

John E. Malmstad

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

An introduction to the radical transformations of Russian culture between 1890–1930, with particular attention to the "isms," avant-garde and otherwise, that shaped society and the arts during a period of rapid modernization and experimentation: Symbolism, Futurism, Cubo-Futurism, Suprematism, Constructivism. Focuses on developments in literature, art, music, ballet, and film, their interaction and relation to the historical context.

Note: Expected to be omitted in 2002–03. All readings in English. For students under the Core requirement, counts as either Literature and Arts C or Foreign Cultures, but not both.

Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars

Catalog Number: 7818

Susan R. Suleiman

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

An overview of Surrealism in the context of European culture and politics of 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 omitted in 2002–03.

Literature and Arts C-61. The Rome of Augustus

Catalog Number: 1101

R. J. Tarrant

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

Roman culture and society in a period of radical transformation, the lifetime of the first emperor, Augustus (63 B.C.E.–14 C.E.). Focuses on the interplay between a new set of political realities and developments in literature, the visual arts, and the organization of private and social life. Readings (all in translation) from Catullus, Cicero, Virgil, Horace, Livy, Propertius, Ovid, and Tacitus, with special attention to the two great masterworks of the period, Virgil's *Aeneid* and Ovid's *Metamorphoses*. Most lectures illustrated with slides.

Note: For students under the Core requirement, counts as either Literature and Arts C or Historical Study B, but not both.

[Literature and Arts C-67. The German Colonial Imagination]

Catalog Number: 9369

Judith Ryan

Half course (fall term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15
 Representations of German colonialism in fiction and film. Consideration of the following topics: Bismarck's colonial policies; late 19th-century critiques of colonialism; controversies about the notion of the noble colonist; turn-of-the-century legal debates; National Socialism and its attempts to revive the idea of German colonialism; recent critiques of German colonialism.

Note: Expected to be given in 2003–04.

Literature and Arts C-69. Pompeii

Catalog Number: 8499

Rabun Taylor

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

Buried in an eruption in 79 A.D. and rediscovered only in the mid-18th century, the towns of Pompeii and Herculaneum offer modern visitors a panoramic view of Roman life. The forum, temples, baths, houses, shops, theaters, and streets weave a tattered tapestry still saturated with meaning today. Our task is to recover some of that meaning through the refractory lens of our modern minds. Using ancient literary texts and various analytical approaches, we will sample the rich visual and material legacy of Mt. Vesuvius, seeking through artifacts—some magnificent and others merely interesting—to recollect a way of life.

Departmental courses that satisfy the Literature and Arts C requirement



The following departmental courses may be taken to meet the Literature and Arts C 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 167p. Postcolonial Narratives](#)

[English 175. American Literary Emergence]

Moral Reasoning

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The common aim of courses in Moral Reasoning is to discuss significant and recurrent questions of choice and value that arise in human experience. They seek to acquaint students with the important traditions of thought that have informed such choices in the past and to enlarge the student's awareness of how people have understood the nature of the virtuous life. The courses are intended to show that it is possible to reflect reasonably about such matters as justice, obligation, citizenship, loyalty, courage, and personal responsibility.

Moral Reasoning

Moral Reasoning 17. Democracy and Inequality

Catalog Number: 6085

Harvey C. Mansfield

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

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 omitted in 2002–03.

[Moral Reasoning 22. Justice]

Catalog Number: 3753

Michael J. Sandel

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

A critical analysis of selected classical and contemporary theories of justice, with discussion of present-day practical applications. Topics include affirmative action, income distribution, surrogate motherhood, free speech vs. hate speech, debates about rights (human rights and property rights), arguments for and against equality, debates about political obligation and the claims of community. Readings include Aristotle, Locke, Kant, Mill, and Rawls.

Note: Expected to be given in 2002–03.

Moral Reasoning 33. Issues in Ethics

Catalog Number: 2255

Thomas M. Scanlon, Jr.

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



Is pleasure the only ultimate good? Are individuals' preferences the only basis for assessing the quality of their lives? What makes acts wrong? Is moral blame applicable only to agents who have free will? Should we accept moral relativism? Readings mainly from contemporary philosophers.

Note: Expected to be omitted in 2002–03.

[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 2002–03.

Moral Reasoning 50. The Public and the Private in Politics, Morality, and Law

Catalog Number: 1262

Glyn Morgan

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

The line between what is considered “private” and what belongs to the “public” varies culturally, historically, and socially. The aim of the class is to introduce students to central issues in Western moral, legal, and political thought by examining the ways that this distinction has been drawn and justified by major thinkers. The class also discusses a number of contemporary controversies concerning the public/private divide, including abortion, contraception, private schools, racial and genetic profiling, and cyberspace. Readings will include Plato, Augustine, Hobbes, Rousseau, John Stuart Mill, Robert Nozick, John Rawls, and Michel Foucault.

Note: Expected to be omitted in 2002–03.

[Moral Reasoning 54. “If There is No God, All is Permitted”: Theism and Moral Reasoning]

Catalog Number: 1321

Jay M. Harris

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

For centuries various Jewish and Christian thinkers have asserted that moral judgment is impossible without some concept of the deity. So convincing were they that one important Russian author of the 19th century was led to exclaim, “if there is no God, all is permitted.” In more recent times some thinkers have challenged this assumption, and insisted that removing (or reducing) the role of God is indispensable to proper moral discourse. This course will examine the ways in which a concept of God has informed Western moral discourse, trying to help students engage the literature as they confront the basic question, why might one think “if there



is no God, all is permitted”? and why one might think if there is a God, human moral achievement is impossible.

Note: Expected to be given in 2002–03.

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 omitted in 2002–03.

Moral Reasoning 58. Slavery in Western Political Thought

Catalog Number: 8892

Richard Tuck

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

The ownership of one man by another is an obvious and profound affront to many of our fundamental ideas about morality, and yet for much of human history it was defended—and often by the greatest moral and political philosophers. How was this possible? The course will trace the theme of slavery through the arguments of political theorists from the ancient world to the present and will study the way in which the rejection of slavery became intellectually possible. These theoretical arguments will be considered in the context of the changing history of slavery as an institution.

Moral Reasoning 60. Reason and Morality

Catalog Number: 9557

Melissa Barry

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

Can our moral views be defended by rational argument? Or must we resort to mere assertion and counterassertion when trying to defend moral positions? Are there moral facts? If we can reason about morality, what might such reasoning look like? We shall consider several influential accounts of the nature of moral reasoning, and Nietzsche’s powerful challenge to the very idea of reasoning about morality. Readings include works by Hobbes, Kant, Mill, Nietzsche, and some contemporary authors.

[Moral Reasoning 62. Reasoning In and About the Law]

Catalog Number: 0286

Michael Blake



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

How is law related to morality? How is it distinct? Do we have an obligation to obey the law? What, if anything, justifies the imposition of legal punishment? These issues, and related issues dealing with the analysis and justification of legal practices, will be examined using the writings of philosophers, judges, and legal theorists.

Note: Expected to be given in 2002–03.

Moral Reasoning 64. Ethics and Everyday Life: Work and Family

Catalog Number: 7803

Russell Muirhead

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

Analyzes the relation of moral considerations to two central arenas of everyday life, work and family. Also assesses how these in turn relate to politics. Topics include the work ethic, rival conceptions of the family, marriage and its public recognition, the public-private distinction, the division of labor and gender, independence, and obligation. Readings drawn from classic and contemporary thinkers in moral and political thought, including Aristotle, Augustine, Milton, Locke, Marx, and Weber.

Note: Expected to be omitted in 2002–03.

Moral Reasoning 66. Moral Reasoning About Social Protest

Catalog Number: 7778

Susanna Siegel

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

An examination of moral questions that arise in the context of social protest in the United States during the 20th century, including the central question of political philosophy: How can political authority be justified? After studying the Attica prison revolt of 1971, we will consider the following questions: Is there an obligation to obey the law? What, if any, are the moral limits to this obligation? Can civil disobedience be justified, and does it always need to be? What should be the social function of punishment? Texts include classic excerpts from Plato, Hobbes, Rawls, and Marx.

Note: Expected to be omitted in 2002–03.

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

“Legalism” refers to rule-making, rule-following, and legal reasoning. This course considers the omnipresence of legalism 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.

Moral Reasoning 70. Rights

Catalog Number: 6413

Sharon R. Krause

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

This course investigates the meaning and moral significance of rights in contemporary liberal societies and considers how a rights-based ethic affects our broader understanding of morality and political life. We shall compare different philosophical justifications for rights within the tradition of classical liberalism, examine several classical and contemporary critiques of rights, and engage in current debates in ethics and politics as to the scope, content, and application of rights in the United States and in the international context. Readings are drawn from classical and contemporary thinkers in moral and political philosophy.

Note: Expected to be omitted in 2002–03.

Departmental course that satisfies the Moral Reasoning requirement

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

Philosophy 174. Recent Ethical Theory

Quantitative Reasoning

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The aim of courses in this area is to introduce students to mathematical and quantitative modes of thought. Some courses emphasize theoretical aspects of mathematics or statistical reasoning: a course on number theory or deductive logic, for example, would fall under this heading. Other courses in this area explore the application of quantitative methods to questions in the natural sciences, social sciences, or humanities: courses on making decisions under uncertainty, or on analyzing demographic trends are examples of such applications.

Quantitative Reasoning

Quantitative Reasoning 20. Computers and Computing

Catalog Number: 5430 Enrollment: Limited to 60.

William H. Bossert

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

An algorithm is an unambiguously stated procedure for accomplishing a specific task on the basis of the given information in a given environment. The term is often associated with computer programs. The course will examine a number of algorithms with regard to their design and analysis of their relative efficiency. A central theme is the close interaction between the form of an algorithm and the representation and format of information which it works. Students will learn to design and implement programs of modest complexity in a modern programming



language.

Note: Previous programming experience is not required.

Quantitative Reasoning 22. Deductive Logic

Catalog Number: 2508

Warren Goldfarb

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

The concepts and principles of symbolic logic: valid and invalid arguments, logical relations of statements and their basis in structural features of those statements, the analysis of complex statements of ordinary discourse to uncover their structure, the use of a symbolic language to display logical structure and to facilitate methods for assessing arguments. Analysis of reasoning with truth-functions (“and”, “or”, “not”, “if...then”) and with quantifiers (“all”, “some”). Attention to formal languages and axiomatics, and systems for logical deduction. Throughout, both the theory underlying the norms of valid reasoning and applications to particular problems will be investigated.

Quantitative Reasoning 24. Health Economics

Catalog Number: 4667

David M. Cutler

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

Analysis of the medical care system is integral to a number of disciplines, including economics, philosophy, sociology, demography, and statistics, as well as four professional schools (medicine, public health, law, and public policy). This course uses quantitative methods to examine the organization and operation of the medical system. The course will cover the medical and non-medical determinants of health; markets for medical care services and health insurance; and proposed reforms of medical care. Methods of analysis will include graphical analysis, algebra, survey design, and use of secondary data. Techniques will be developed in class and section. Use of a computer spreadsheet is required and will be demonstrated in class and section.

Quantitative Reasoning 26. Decisions, Games, and Negotiation

Catalog Number: 4123

Daniel L. Goroff and Howard Raiffa (Business School)

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

This course develops quantitative reasoning skills that help individuals and groups make better choices. We study decisions whose results are perfectly predictable as well as situations with incomplete information, uncertainty about the future, or outcomes that depend on other people’s actions. Based on examples that range from everyday career conundrums to the politics of public policy, and from household financial strategies to professional school cases, our discussions cover: the mathematics of ideal rationality; the pragmatic use of spreadsheets, data, heuristics, and other tools; and behavioral research on surprising ways that people estimate, wager, and bargain in practice.

Note: High school algebra and willingness to think hard are prerequisites.



Quantitative Reasoning 28. The Magic of Numbers

Catalog Number: 4764

Benedict H. Gross and Joseph D. Harris

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

This course will explore the beauty and mystery of mathematics through a study of the patterns and properties of the natural numbers 1, 2, 3, ... We will discuss various special classes of numbers, like Fibonacci numbers, factorials, and binomial coefficients, and the many ways they arise in mathematics. We'll also investigate the distribution of prime numbers and discuss coding systems based on modular arithmetic.

Note: We will assume no mathematical background beyond high school algebra. Emphasis will be placed on discovery through conjecture and experimentation.

[Quantitative Reasoning 32. Uncertainty and Statistical Reasoning]

Catalog Number: 2228

Carl N. Morris

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

Individuals continually must make decisions under uncertainty in their personal and in their professional lives. This course develops probability as the appropriate language for describing uncertainty, and it shows how statistical data and planned studies can be crucial when evaluating probabilities and associated risks. It will help students understand and discover how people think about uncertainty and risk. The course will improve each student's ability to handle uncertainty, and so to make better decisions. It introduces concepts and the language of probability and statistics. Students will review and assess probabilities and statistics developed for and reported in the media, science, industry, law, medicine, and government.

Note: Expected to be given in 2002–03.

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.

[Quantitative Reasoning 36. Statistics and Public Policy]

Catalog Number: 7412

Christopher Winship

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

Data, or more accurately statistics calculated from data, are used ubiquitously in the support of various public policy claims. The purpose of this course is to examine the statistical methods



used in making such claims and understand their potential strengths and weaknesses. The course examines Sampling, Characteristics of Distributions, Basic Probability, Statistical Reference, Measurement and Scaling, Measures of Association, Experiments, and Quasi-Experiments. The last part of the course will focus on the problem of making causal inferences from empirical data. The goal of the course is to acquire a clear, conceptual understanding of methods as opposed to the ability to manipulate formulas.

Note: Expected to be given in 2002–03.

[Quantitative Reasoning 37. Surveys and Statistics in Sociology]

Catalog Number: 8610

Peter V. Marsden

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

Introduces quantitative analysis in social research, including principles of research design and the use of empirical evidence, particularly from social surveys. Descriptive and inferential statistics, contingency table analysis, and regression analysis. Emphasis on analysis of data and presentation of results in research reports.

Note: Expected to be given in 2002–03.

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.

[Quantitative Reasoning 42. Powerful Habits of Mind]

Catalog Number: 4786

Eric Mazur

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

Future decision-makers—politicians, executives, scientists, and citizens—must analyze the arguments of others and develop their own. This course is intended to teach quantitative analysis and exploration as habits of mind—as automatic approaches to the certainty of oneself and others—and to develop comfort with numbers and rough estimates. Techniques of analysis: developing reasoning tools that can be applied to scientific and social arguments, and techniques of exploration: how to create new ideas will be studied. The tools developed will be applied to issues reported in the media, to advertisements, to policy documents, and to students' thinking and writing.

Note: Expected to be given in 2002–03.



Departmental courses that satisfy the Quantitative Reasoning requirement

The following departmental courses may be taken to meet the Quantitative Reasoning requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

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

[Mathematics 1a. Introduction to Calculus](#)

[Mathematics 1b. Calculus, Series and Differential Equations](#)

[Mathematics 19. Mathematical Modeling](#)

[Mathematics 20. Introduction to Linear Algebra and Multivariable Calculus](#)

[Mathematics 21a. Multivariable Calculus](#)

[Mathematics 21b. Linear Algebra and Differential Equations](#)

[Statistics 100. Introduction to Quantitative Methods](#)

[Statistics 101. Introduction to Quantitative Methods](#)

[Statistics 102. Fundamentals of Biostatistics](#)

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

[Statistics 110. Introduction to Probability](#)

The following departmental courses taken together may be used to meet the Quantitative Reasoning requirement.

[Mathematics Xa. Introduction to Functions and Calculus I](#)

[Mathematics Xb. Introduction to Functions and Calculus II](#)

Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The common aim of the courses in Science is to explore the phenomena, ways of observing and understanding them, theories that synthesize them, and the undergirding methodology that, taken together, result in the scientific perception of our world. This world encompasses the very small—elementary particles, nuclei, atoms, molecules, genes, and cells; the very large—the Earth, the solar system, and the universe; and living things including human beings in the past and present. Each course addresses one or several of these topics in some depth. Students participate by solving problems, and by observing or by experimenting in the laboratory. This exposure helps to develop scientific literacy and numeracy, thereby leading to a better understanding of today's technologically and scientifically oriented society.

Science A

Courses in this section, largely concerned with the physical sciences, deal with the analysis of natural phenomena through quantitative descriptions and synthesis of their simple elements.

Science B

Courses in this section, emphasizing biological, evolutionary, and environmental science, present



semiquantitative and frequently descriptive accounts of complex systems that cannot yet be fully analyzed on the basis of their simple elements.

Science A

Science A-24. The Dynamic Earth

Catalog Number: 3744 Enrollment: Limited to 100.

Richard J. O'Connell

Half course (spring term). M., W., F., at 10, a weekly section to be arranged, and one three-day camping field trip during Reading Period. EXAM GROUP: 3

A discussion of physical processes that formed the Earth and govern its continuing evolution. How internal workings shape the planet's surface, producing volcanism, earthquakes, and the uplift of mountains. The course describes the theory of plate tectonics; reviews the observations and phenomena that led to the hypothesis; describes methods of deducing the present state, composition, and structure of the Earth's interior; discusses the age and the thermal state of the Earth and the evidence for the flow and mobility of the interior. Students are encouraged to think critically, and to appreciate the uncertainties in current models and hypotheses.

Science A-29. The Nature of Light and Matter

Catalog Number: 1706

Roy J. Glauber

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

Explores the ultimate nature of light and 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 limitations on knowledge imposed by the uncertainty principle.

Note: May not be taken for credit by students who have completed Science A-26.

Science A-30. The Atmosphere

Catalog Number: 0477 Enrollment: Limited to 60.

Steven C. Wofsy

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

The physical and chemical processes that regulate climate and the composition of the atmosphere are introduced, including mechanics, thermodynamics, radiation, and chemical kinetics. Atmospheric temperature and precipitation; weather and climate; human activity as a factor for change; influence of carbon dioxide from fossil fuel on climate; modification of stratospheric ozone by industrial chemicals; air pollution; acid rain.

Science A-35. Matter in the Universe

Catalog Number: 5923 Enrollment: Limited to 325.

Robert P. Kirshner



Half course (spring term). Tu., Th., 12–1:30, and a weekly section to be arranged. EXAM GROUP: 14, 15

The nature and history of matter revealed by astronomical observation and experimental physics. Explores the Big Bang and models of the universe, stellar evolution and supernova explosions, evidence for invisible matter, and the development of structure in the universe. Demonstrates the physical principles used to interpret astronomical data and to construct a model for the evolution of the universe on the microscopic and cosmic scales. Examines the way microscopic properties of matter determine properties of people, stars, galaxies, and the universe as a whole.

Science A-36. Observing the Sun and the Stars

Catalog Number: 4775

Jonathan E. Grindlay and Robert W. Noyes

Half course (fall term). Tu., Th., 11:30–1, and two laboratory sessions (daytime and evening) to be arranged. EXAM GROUP: 13, 14

The nature of the Sun and the stars, with emphasis on direct observations, to learn how we can understand the Galaxy and the Universe from stars, the basic building blocks. Students conduct visual observations to measure apparent motions of the Sun and stars, laboratory experiments with light and spectra, and make extensive telescopic observations of the Sun and stars using modern instrumentation to explore the energy output of the stars, their relative distances, their temperatures and chemical composition, and something of their life histories. Lectures and readings discuss the physical nature and evolution of stars as well as how stars are organized in our local stellar neighborhood, in our Milky Way Galaxy, and in the Universe.

Science A-39. Time

Catalog Number: 0077

Gary J. Feldman

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

Studies the evolution, over the past three centuries, of our concept of time and of related questions, such as the predictability of the future. Newtonian mechanics envisions a universal time, symmetric between past and future. The distinction between past and future emerges in the 19th century from considerations of statistical processes. In the 20th century, the theory of relativity forces fundamental changes in the concept of time. Time ceases to be universal and becomes entangled with space and gravity. Quantum mechanics limits the predictability of the future and introduces recently verified effects so weird that Einstein wrote of them, “No reasonable definition of reality could be expected to permit this.”

Note: Expected to be omitted in 2002–03.

Prerequisite: Some knowledge of high school physics will be useful, but is not required.

[Science A-41. The Einstein Revolution]

Catalog Number: 3581

Peter L. Galison

Half course (spring term). Tu., Th., 9–10:30, and a 90-minute weekly section to be arranged. EXAM GROUP: 11, 12

Albert Einstein has become the icon of modern science. Following his scientific, cultural, philosophical, and political trajectory, this course aims to track the changing role of physics in



this century. Addresses Einstein and his engagement with relativity, quantum mechanics, Nazism, nuclear weapons, philosophy, and technology, and raises basic questions about what it means to understand physics and its history.

Note: Expected to be given in 2002–03.

Science A-43. Environmental Risks and Disasters

Catalog Number: 6001

Göran Ekström

Half course (fall term). M., W., F., at 12, and a 90-minute weekly section to be arranged. EXAM GROUP: 5

An introduction to risks and hazards in the environment. Different types of hazards are analyzed and compared: natural disasters, such as tornados, earthquakes, and meteorite impacts; acute and chronic health effects caused by exposure to radiation and toxic substances such as radon, asbestos, and dioxin; long-term societal effects due to environmental change, such as sea level rise and global warming. Emphasizes the basic physical principles controlling the hazardous phenomena and develops simple quantitative methods for making scientifically reasoned assessments of the threats (to health and wealth) posed by various events, processes, and exposures. Discusses methods of risk mitigation and sociological, psychological, and economic aspects of risk control and management.

[Science A-47. Cosmic Connections]

Catalog Number: 6940

Lars Hernquist

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

This course will examine the origin and evolution of stars and planets, and will consider connections between astronomical events and the conditions that seem necessary for life to develop. The underlying theme is that humans are a part of an evolving Universe and that our presence is linked to the cosmos at large. To tell this story, we must talk about how the Earth and the Sun came about, and ultimately how the Milky Way and the Universe were created.

Note: Expected to be given in 2002–03.

Science A-49. The Physics of Music and Sound

Catalog Number: 8987

John Huth

Half course (spring term). Tu., Th., 1:30–3, and a weekly section to be arranged. EXAM GROUP: 15, 16

Sound and music are deeply embedded in all cultures. An understanding of the production, transmission, and perception of sound and music can expand artistic and scientific horizons. Topics will include vibration, resonance, interference, harmony, dissonance, temperament, musical instruments, human auditory response, good and bad acoustics, and sound reproduction. The principles of music and sound are widely applicable to many branches of science and some of the connections will be developed. Hands-on digital and analog investigations will be provided. Mathematics background at the level of high school algebra and geometry is sufficient.

Departmental courses that satisfy the Science A requirement



The following departmental courses may be taken to meet the Science A requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

[Chemistry 5. Introduction to Principles of Chemistry](#)

[Chemistry 7. Principles of Chemistry](#)

[Chemistry 10. Accelerated Course: Foundations of Chemistry](#)

[Chemistry 17. Principles of Organic Chemistry](#)

[Chemistry 20. Organic Chemistry](#)

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

[Chemistry 30. Organic Chemistry](#)

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

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

[Physics 11a. Mechanics](#)

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

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

[Physics 15b. Introductory Electromagnetism](#)

[Physics 15c. Wave Phenomena](#)

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

The following departmental courses taken together may be used to meet the Science A requirement.

[Physics 1a. Principles of Physics: Mechanics](#)

[Physics 1b. Principles of Physics: Electricity, Waves, Nuclear Physics](#)

Science B

[Science B-16. History of Life](#)

Catalog Number: 6718 Enrollment: Limited to 200.

Stephen J. Gould

Half course (spring term). Tu., Th., 11:30–1, and a 90-minute weekly section to be arranged.

EXAM GROUP: 13, 14

Major aspects of the geological and paleontological history of Earth. Part 1 (historical science) uses the development of theories about Earth history to examine styles of doing science when faced with complex histories or unrepeatable events. Part 2 (evolutionary theory) covers basic principles of Darwinism and alternatives, and examines philosophical implications of an evolutionary world view. Part 3 (biological history) examines Darwinian theory as a model for explaining the history of life. Topics: origin of life, rapid extinctions and periods of origination, vertebrate origins, human evolution.

Note: Sections cover basic skills (e.g., identification of fossils), but serve primarily for small-group discussion.

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

Catalog Number: 6581

Joseph D. Brain (Public Health), Stephanie A. Shore (Public Health), and Richard L. Verrier



(Medical School)

Half course (spring term). M., W., F., at 12, plus two two-hour laboratories and periodic section meetings to explore special topics in depth. EXAM GROUP: 5

The physiology and pathophysiology of the human body will be presented with special emphasis on cardiovascular, respiratory, endocrine, and reproductive biology. Topics include not only the normal functioning of these systems but also their responses to infection, injury, and the environment. Through lectures and laboratories, students will explore how their own body functions. The relative power of diagnosis and treatment of disease (medicine) versus primary prevention of disease (public health) in promoting health will be emphasized.

[Science B-27. Human Evolution]

Catalog Number: 0470

David Pilbeam

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

EXAM GROUP: 3

A survey of human evolution as a particular example of general issues in evolutionary biology. Some principles of evolutionary theory, primate behavioral ecology, and functional morphology are used to interpret the fossil record of hominoids (apes and humans) and particularly the hominids (humans and their direct ancestors and collaterals), from hominid origins to the appearance of modern humans through to the origins of agriculture. Emphasis is on the dynamic (behavioral and ecological) interpretation of the human fossil and archeological record.

Note: Expected to be given in 2002–03.

Science B-29. Evolution of Human Nature

Catalog Number: 0152 Enrollment: Limited to 400.

Richard W. Wrangham and Marc Hauser

Half course (spring term). M., W., F., at 1, and a 90-minute weekly section/laboratory to be arranged. Additional meeting times for two required film showings to be announced. EXAM GROUP: 6

Human biology and behavior are considered in a broad evolutionary context, showing how the facts of development, physiology, neurobiology, reproduction, cognition, and especially behavior are informed by evolutionary theory and comparative evidence. Field and experimental data on other species are introduced with the aim of illuminating human behavior. Behavior is traced from its evolutionary function as adaptation, through its physiological basis and associated psychological mechanisms, to its expression. The role of ecology and social life in shaping human behavior is examined through the use of ethnographies and cross-cultural materials on a variety of human cultures. Topics include basic genetics, neural and neuroendocrine systems, behavioral development, sex differences, kinship and mating systems, ecology, language, and cognition.

Science B-40. The Biology of Trees and Forests

Catalog Number: 2635

Donald H. Pfister

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

EXAM GROUP: 13, 14

Trees are prominent and important organisms in the ecosystem. By photosynthesis, trees convert



carbon dioxide into organic molecules that are used as energy reserves and as structural components of these plants. Oxygen is also released. Trees, carbon cycling, and the greenhouse effect are intimately intertwined. This course uses trees as examples to explore several facets of plant biology as they relate to identification, growth, reproduction, physiology of transport, ecology, management, and use of plant products.

Science B-44. Vision and Brain

Catalog Number: 4722

Ken Nakayama

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

Drawing upon physical, geometric, biological, and psychological descriptions of vision, the major effort is to understand how the phenomenon of visual experience can be understood in terms of the nature of light in the environment, the properties of the eye and brain, as well as more abstract descriptions of perceptual and cognitive systems.

Science B-46. Molecular Biology and the Structure of Life

Catalog Number: 3395

George M. Whitesides

Half course (fall term). M., W., F., at 9, and a 90-minute weekly section to be arranged. EXAM GROUP: 2

Describes the applications of molecular biology to medicine, evolution, forensics, and biotechnology. Modern biology is based on a view of life in which a small set of key molecules—DNA, RNA, and proteins—play central roles. This view makes it possible to discuss a remarkable range of characteristics of living organisms using a common set of principles. Also considers the implications of molecular genetics and the human genome project.

Science B-48. From DNA to Brain

Catalog Number: 3320

Howard C. Berg and John E. Dowling

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

Explores the way in which information is stored and processed by biological systems, first by molecules—DNA, RNA, protein, and phospholipid—then by cells and cell assemblies, particularly the nervous system. Learning how DNA gives rise to brain and how the brain works are among the greatest challenges in modern biology. Our hope is to give students a taste of this remarkable enterprise.

Note: Expected to be omitted in 2002–03.

Prerequisite: Secondary school chemistry.

Science B-53. Biology of Marine Organisms

Catalog Number: 7050 Enrollment: Limited to 96.

Robert M. Woollacott

Half course (fall term). Tu., Th., 1–2:30; Tu., 3–5, and a two-hour weekly section to be arranged. Two half-day and one full-day field trips will substitute for three weeks of section.

EXAM GROUP: 15, 16



Explores the life histories and adaptations of marine life and the ecosystems of the sea. Centers on the complex interrelationships of organisms, the diversity of various habitats, reproductive strategies, and speciation as well as the interplay of currents, light, temperature, and nutrient supply on the distribution of life in the sea.

Prerequisite: Secondary school biology.

Science B-55. Evolutionary Biology

Catalog Number: 1199

Stephen R. Palumbi

Half course (fall term). M., W., F., at 12, and a 90-minute weekly section to be arranged. EXAM GROUP: 5

Explores the process of biological evolution, the way the biosphere has changed over time, and how human actions affect the evolutionary process, thereby changing our contemporary biological environment. Examines the mechanics and pace of evolution, from the molecular to the species level, with an emphasis on the ecological context of natural selection. The evolution of antibiotic resistance, HIV, bioengineered organisms, and human genetic disease are used to illustrate how evolution plays a critical role in modern society.

[Science B-57. Dinosaurs and Their Relatives]

Catalog Number: 0793

Charles R. Marshall

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

Comprehensive exploration of the biology, evolution, and extinction of the dinosaurs and their closest relatives. Through this exploration, core concepts in paleontology, evolutionary biology, and geology will be introduced. Weekly sections center on the examination of fossil material.

Note: Expected to be given in 2002–03.

Science B-59. Genes and Human Diversity

Catalog Number: 0838

Maryellen Ruvolo

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

EXAM GROUP: 12, 13

An introduction to human evolution and diversity based on genetic evidence. This course covers an introduction to the human genome, the basics of population genetics, genetic diversity of living humans and our closest primate relatives, origins of modern *Homo sapiens*, the effects of human demographic history on the hunt for disease genes, forensic applications of DNA diversity, and genetic reconstructions of human history, and how these patterns correspond with linguistic diversity.

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.

Biological Sciences 50. Genetics and Genomics

Biological Sciences 51 (formerly Biological Sciences 2). Integrative Biology of Organisms



Biological Sciences 52 (formerly Biological Sciences 10). Introductory Molecular Biology
Biological Sciences 80 (formerly Biological Sciences 25). Behavioral Neuroscience
Earth and Planetary Sciences 6. Introduction to Environmental Science: The Solid Earth

Social Analysis

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The common aim of courses in Social Analysis is to acquaint students with some of the central concepts and methods of the social sciences and to show how these approaches can enhance our understanding of contemporary human behavior. Social Analysis courses are not intended to provide a survey of a particular discipline, but rather to show how, by the use of formal theories that are systematically related to empirical data, one can better understand the application of analytical methods to important problems involving the behavior of people and institutions.

Social Analysis

Social Analysis 10. Principles of Economics

Catalog Number: 3660

Martin Feldstein, Judith Li, and members of the Economics Department

Full course (indivisible). M., W., F., at 12. EXAM GROUP: 5

Introduction to economic issues and basic economic principles and methods. Fall term focuses on supply and demand, labor and financial markets, taxation, and social economic issues of health care, poverty, the environment, and income distribution. Spring term focuses on the impact of both monetary and fiscal policy on inflation, unemployment, interest rates, investment, the exchange rate, and international trade. Studies role of government in the economy, including Social Security, the tax system, and economic change in Eastern Europe, Latin America, and Asia. Covers international trade and financial markets.

Note: Must be taken as a full course, although in special situations students are permitted to take the second term in a later year. Taught in a mixture of lectures and sections. No calculus is used, and there is no mathematics background requirement. Designed for both potential economics concentrators and those who plan no further work in the field. The Department of Economics strongly encourages students considering concentration to take this course in their freshman year.

Social Analysis 28. Culture, Illness, and Healing: A Cross-Cultural Comparison of Medicine in Society

Catalog Number: 4247

Arthur Kleinman

Half course (spring 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 what is shared and what is culturally distinctive in the experience and treatment of sickness. Analyzes how practitioners (biomedical and folk) and patients construe sickness and suffering as distinctive social realities, and how those realities are organized in local cultural systems. Assesses varieties of suffering as social phenomena in order to appreciate the social sources of 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 omitted in 2002–03.

Social Analysis 34. Knowledge of Language

Catalog Number: 2069

Bert Vaux

Half course (fall term). M., W., F., 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, and language change.

[Social Analysis 36. Religion and Modernization: Cultural Revolutions and Secularism]

Catalog Number: 2027

Nur Yalman

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

Theoretical studies on major social and ideological changes concerning religion in modern society with special reference to France, Russia, repercussions in Asia (Hinduism, Buddhism) and the Middle East (Islam). Changes in intellectual attitudes in France and the French Revolution. The Enlightenment, the Russian and Turkish Revolutions, and religious revivalism in Iran are considered. Comparative studies from India and Sri Lanka. Marxist and structuralist theories concerning religion are examined in historical contexts. Students can specialize in regions and topics.

Note: Expected to be given in 2002–03.

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

Catalog Number: 3544

Kenneth A. Shepsle

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

A commonsensical survey of rational theories of politics, comprised of four segments: (1) individual choice, (2) group choice, (3) collective action, and (4) institutions. The underlying theme is that politics may be described and understood in terms of rational, goal-seeking behavior by citizens, politicians, bureaucrats, and interest groups in various institutional settings. Students are encouraged to think deeply and with sophistication about current events, history, and public life generally, as well as to analyze the politics of private life—in families, clubs, firms, churches, universities, even Harvard Houses—since private politics, like public politics, may be understood in terms of rational behavior.

Note: Expected to be given in 2002–03.

[Social Analysis 50. Urban Revolutions: Archaeology and the Investigation of Early States]

Catalog Number: 4409

C. C. Lamberg-Karlovsky

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

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: Expected to be given in 2002–03. No previous knowledge of archaeology is necessary.

Social Analysis 52. Growth and Development in Historical Perspective

Catalog Number: 1879

Robert H. Bates

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

Societies now industrial and rich were once agricultural and poor. Growth and development imply a transformation in the politics and economics of nations. How does this transformation take place? What economic forces and political struggles propel it? Drawing on anthropology, political science, and economics, the course explores the process of urbanization, state formation, and war-making, as well as economic development.

Social Analysis 54. American Society and Public Policy

Catalog Number: 6661

Theda Skocpol and Mary C. Waters

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

How do social problems get redefined over time; why do they appear differently to various groups; and how are public policies about problematic social conditions debated, devised, and changed? Looking over modern U.S. history, this course combines demographic data on societal trends, ethnographic data on people's everyday lives and outlooks, and evidence about changing institutional structures. This combination of approaches often pursued separately in the social sciences is used to explore recurrent yet shifting controversies about the well-being of families and children, about immigration and citizenship, and about access to health care in the United States.

Note: Expected to be omitted in 2002–03.

Social Analysis 58. Representation, Equality, and Democracy

Catalog Number: 1341

Sidney Verba

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

Democracy is a system of rule in which the citizenry is the ultimate sovereign. Government policies ought to be responsive to the preferences of that citizenry, with each citizen weighed equally. If this is to happen, there must be procedures whereby the preferences of citizens are expressed, aggregated, and communicated to governing decision-makers, and there must be some set of incentives that lead the decision-makers to be responsive to these preferences. This course examines the ways in which the complex and “unreadable” preferences in the public are



communicated to governing officials. The course will connect theories of representation and democracy to systematic studies of citizen behavior.

Social Analysis 60. Wealth and Poverty in the World Economy

Catalog Number: 1402

Jeffrey D. Sachs

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

Why are some countries rich and others poor? Why do some countries achieve economic growth while others languish in poverty? This course will study the theory, history, and modern practice of economic development. We will examine how economic and political institutions, culture, physical geography, and international relations affect the development process. Historical experience will be used as a springboard to current policy debates, with a special focus on the problems of globalization.

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

Catalog Number: 0916

Jennifer L. Hochschild

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

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 question. How do African Americans, Anglos, Latinos, and Asian Americans relate to one another? Four plausible answers occupy the second half of the course: pluralism (groups interact and partially merge), racial and ethnic separation, rainbow coalition (nonwhite groups come together), and black exceptionalism (nonblack groups come together).

Social Analysis 68. Race, Class, and Poverty in Urban America

Catalog Number: 7451

William Julius Wilson (Kennedy School)

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

The purpose of this course is to familiarize students with some of the major empirical, theoretical, and social policy issues concerning race, class, and urban poverty in America. The focus is on contemporary society, but the course provides an historical context for understanding how current patterns of urban inequality have evolved.

Note: Expected to be omitted in 2002–03.

Cross-listed Core course that satisfies the Social Analysis requirement

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

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

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](#)

General Education Electives

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Non-Departmental Instruction

Susan Pedersen, Professor of History (*Chair*)

Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures (*on leave fall term*)

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

Karl S. Guthke, Kuno Francke Professor of German Art and Culture

John W. Hutchinson, Abbott and James Lawrence Professor of Engineering

Alastair Iain Johnston, Governor James Albert Noe, Sr. and Linda and Christel Noe Laine Kelley Professor of China in World Affairs (*on leave spring term*)

Susan W. Lewis, Director of the Core Program and Director of the Freshman Seminars, General Education, and House Seminars (*ex officio*)

Daniel E. Lieberman, Professor of Anthropology

Elisa New, Professor of English and American Literature and Language (*on leave spring term*)

Anthony G. Oettinger, Gordon McKay Professor of Applied Mathematics and Professor of Information Resources Policy

General Education Courses

[General Education 105. The Literature of Social Reflection](#)

Catalog Number: 0769 Enrollment: Limited to 500.

Robert Coles (Graduate School of Education and Medical School)

Half course (fall term). Tu., Th., at 10, with one ninety-minute section weekly. EXAM GROUP: 12

An examination of selected novels, essays, poems, and autobiographical statements which aim at social scrutiny or at a moral critique of a particular society. Lectures emphasize the distinctive approach of the literary mind to a variety of social problems: poverty, racial injustice, historical change, the various tensions of rural and urban life. Authors studied include George Eliot, Charles Dickens, Thomas Hardy, Georges Bernanos, William Carlos Williams, James Agee, George Orwell, Ralph Ellison, Zora Neale Hurston, Tillie Olsen, Flannery O'Connor, and



Walker Percy.

Note: Expected to be omitted in 2002–03.

General Education 156. The Information Age, Its Main Currents and Their Intermingling: Conference Course

Catalog Number: 3172 Enrollment: Limited to 25.

Anthony G. Oettinger

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Dynamics of the worldwide shift toward information-intensive economies. The hype and the ripe in information infrastructures, networks, and multimedia. Transformations of information businesses: telecommunications; computers; TV; consumer electronics; books; newspapers; mail; toys. Antecedents in shifts from memorized to written records in 12th-century England and to steam printing presses in the 19th century. Each term paper traces the linkages between evolving information suppliers and a student-picked sphere of information use—e.g., literacy and numeracy, personal communication, entertainment, political processes, international trade, capital and labor markets, military intelligence and command practices, or organizational structure and behavior.

Note: Term paper in lieu of final examination; extensive research expected of graduate students; counts as an elective for Applied Mathematics concentrators if the term paper includes appropriate mathematical content. Offered jointly with the Kennedy School of Government as BGP-586.

Prerequisite: Social Analysis 10 or elementary calculus or equivalent.

General Education 175. Native Americans in the 21st Century: Nation-Building I

Catalog Number: 5587

Joseph P. Kalt (Kennedy School) and guest lecturers

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

Uses a hands-on, interdisciplinary approach to examine some of the major issues faced by today's Native American bands, tribes, and nations. These include: sovereignty, economic development, constitutional reform, cultural and language continuity, land and water rights, religious freedom, health and social welfare, and education. Concepts of “nation-building,” identity, and leadership, taken from tribal points of view, form the central themes of the course. All aspects of the course are placed in a cross-cultural context. Guest presentations are made by Native American students, visiting scholars, and Native American leaders.

Note: Offered jointly with the Kennedy School of Government as PED-501, and with the Graduate School of Education as A-101.

General Education 186. Introduction to Health Care Policy

Catalog Number: 4045

Richard G. Frank (Medical School)

Half course (fall term). Tu., Th., 8:30–10, and a weekly section to be arranged. EXAM GROUP: 10, 11

Provides students with an overview of US health care delivery system, its components, and policy challenges. The health care system is considered from an organizational perspective: analysis of roles of patients, providers (doctors and hospitals), health plans, and payers. Considers objectives, constraints, incentives, knowledge, and conduct of each component.



Evaluates problems faced by each component using both “insider” and “outsider” perspectives. What makes health care so hard to reform? How shall we understand recent proposals? Reading will include selections from medical sociology, economics, politics, anthropology, and ethics.

[*General Education 187 (formerly Pforzheimer 123). The Quality of Health Care in America]

Catalog Number: 4832 Enrollment: Limited to 35.

Donald M. Berwick (Medical School), Howard H. Hiatt (Medical School), and guest lecturers
Half course (spring term). Tu., Th., 4:30–6. EXAM GROUP: 18

Offers information and experiences regarding an array of the most important issues and challenges in health care quality. Includes 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 various forms of waste. Each session focuses in depth on one specific quality-of-care issue, exploring patterns of performance, data sources, costs, causes, and remedies. Explores international comparisons and systemic remedies: the desirable properties of health care systems that can perform at extremely high levels in many dimensions of quality.

Note: Expected to be given in 2002–03.

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.

Adams

***Adams 122. Printed Books as a Field of Study**

Catalog Number: 6137 Enrollment: Limited to 6.

Roger E. Stoddard

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

Introduces students to the appreciation of books as technical, commercial, and artistic products as well as intellectual ones. With due regard for text and picture, concentrates attention on the printed book in Europe and the Americas from the technical inventions of Gutenberg and other pioneers to the postmodern renovations of today. Books from Houghton Library collections are viewed and discussed in relation to their manufacture, distribution, and use. Much of the work is comparative. Vocations of book culture to be studied and illustrated are printer, book artisan, publisher, bookseller, collector, librarian, antiquarian bookseller, and bibliographer.

Note: Expected to be omitted in 2002–03.

Eliot



***Eliot 129. Nutrition and Public Health**

Catalog Number: 1497 Enrollment: Limited to 20.

Clifford Lo (Medical School)

Half course (spring term). M., 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 the Nutrition Support Services at Children's Hospital will be optional.

[*Eliot 133. The *Táin*: The Medieval Irish Saga]

Catalog Number: 2966 Enrollment: Limited to 12.

Patrick K. Ford

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

Investigates the great medieval Irish saga, *Táin Bó Cúailnge*. The *Táin* is the centerpiece of the so-called Ulster Cycle of tales, a group centered on the court of King Conchobor at Emain Macha in 1st-century (CE) Ulster. Cycle focuses on heroic exploits of Cú Chulainn, the Hound of Cooley, and on ethos of a warrior aristocracy in heroic golden age. Of especial interest are roles played by women in the tales. Tensions between literacy and orality in the transmission of the tales and issues related to the translation of the tales into English in the modern period will be studied.

Note: Expected to be given in 2002–03.

Leverett

***Leverett 104. 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). Tu., 7–9 p.m.

Focuses on the “scientific” Weltanschauung (world view) of Sigmund Freud as a key to understanding his life and work. Students examine the world view Freud attacks by reading selected writings of C. S. Lewis and the letters between Freud and Oskar Pfister, the Swiss psychoanalyst and theologian. Considers the following themes: source of morality and ethics, definition and understanding of human sexuality, problem of pain and suffering, definition of happiness and reason that unhappiness prevails, role of different categories of love in human relationships, nature of human nature and the problem of “the painful riddle of death.” Selected expository works by Freud serve as a brief introduction to basic psychoanalytic concepts and to philosophical works that form the core of study.

Freshman Seminars

Faculty Offering Instruction in the Freshman Seminar Program



Paul G. Bamberg, Senior Lecturer on Mathematics
 Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology (*on leave spring term*)
 Ana P. Barros, Associate Professor of Environmental Engineering on the Gordon McKay Endowment
 Janet Beizer, Professor of Romance Languages and Literature
 Benjamin Fred Berger, Lecturer on Social Studies, Lecturer on Government
 Sue Brown, Associate Professor of Slavic Languages and Literatures (*on leave 2002-03*)
 Rory A. W. Browne, Lecturer on History and Literature
 Audrey Helfant Budding, Associate of the Weatherhead Center for International Affairs, Lecturer on Social Studies
 Alide Cagidemetro, ()
 David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America in the Faculty of Divinity and the Faculty of Arts and Sciences
 Pramod Chandra, George P. Bickford Professor of Indian and South Asian Art
 Marjorie B. Cohn, Senior Lecturer on History of Art and Architecture and Carl A. Weyerhauser Curator of Prints in the Harvard University Art Museums
 Richard N. Cooper, Maurits C. Boas Professor of International Economics
 Catherine A. Corman, Assistant Professor of History
 James Cuno, Professor of History of Art and Architecture and Elizabeth and John Moors Cabot Director of the Harvard University Art Museums
 Leo Damrosch, Harvard College Professor and the Ernest Bernbaum Professor of Literature (*on leave fall term*)
 Gwendolyn Dordick, Assistant Professor of Sociology and of Social Studies
 Erika Dreifus, Lecturer on History and Literature
 Alexia Elisabeth Duc, Assistant Professor of Romance Languages and Literatures
 John Thomas Dunlop, Lamont University Professor, Emeritus
 Carlos Ramiro Espinosa, Lecturer on History and Literature
 William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology
 Franco Fido, Carl A. Pescosolido Professor of Romance Languages and Literatures
 David R. Foster, Senior Lecturer on Biology
 Roy J. Glauber, Mallinckrodt Professor of Physics
 Erik Irving Gray, Assistant Professor of English and American Literature and Language
 Karl S. Guthke, Kuno Francke Professor of German Art and Culture
 Joseph C. Harris, Professor of English and Folklore
 Timothy Crocker Harte, Allston Burr Senior Tutor in Kirkland House, Lecturer on Slavic Languages and Literatures
 David H. Hubel, Research Professor of Neurobiology (*Medical School*)
 Jay H. Jasanoff, Diebold Professor of Indo-European Linguistics and Philology (*on leave spring term*)
 Philip Joseph, Lecturer on History and Literature
 Kelly A. Joyce, Teaching Assistant in Social Studies, Lecturer on Social Studies, Lecture on Social Studies
 Adam Kern, Assistant Professor of Japanese Literature
 Robert Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of



English (on leave spring term)

Sun Joo Kim, Assistant Professor of Korean History

Courtney Bickel Lamberth, Lecturer on the Study of Religion, Allston Burr Senior Tutor in Winthrop House

Myron Lecar, Lecturer on Astronomy

Wai-yee Li, Professor of Chinese Literature (*on leave 2002-03*)

Daniel E. Lieberman, Professor of Anthropology

David A. Long, Lecturer on History and Literature, Lecturer on History and Literature

N. Gregory Mankiw, Professor of Economics (*on leave spring term*)

Sylvia Maxfield, Lecturer on Social Studies

Everett I. Mendelsohn, Professor of the History of Science

Ralph Mitchell, Gordon McKay Professor of Applied Biology

Mark Christopher Molesky, Lecturer on History and Literature

Martha Jane Nadell, Lecturer on History and Literature, Head Teaching Assistant in Afro-American Studies

Ken Nakayama, Edgar Pierce Professor of Psychology

Marshall T. Poe, Lecturer on History and Literature, Allston Burr Senior Tutor in Lowell House

Leah Price, Assistant Professor of English and American Literature and Language (*on leave 2002-03*)

Charles E. Rosenberg, Ernest E. Monrad Professor of Social Sciences (*on leave 2002-03*)

Stephanie Sandler, Professor of Slavic Languages and Literatures (*on leave 2002-03*)

Otto T. Solbrig, Bussey Professor of Biology, Emeritus

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of Afro-American Studies

Christopher J. Sturr, Lecturer on Social Studies

Charis Thompson, Assistant Professor of the History of Science (*on leave 2002-03*)

T. Robert Travers, Assistant Professor of History

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies

Justin Weir, Assistant Professor of Slavic Languages and Literatures (*on leave spring term*)

Irene J. Winter, William Dorr Boardman Professor of Fine Arts

Christoph Wolff, William Powell Mason Professor of Music

Karen Zivi, Lecturer on Social Studies

Other Faculty Offering Instruction in the Freshmen Seminar Program

Richard Wilson, Mallinckrodt Research Professor of Physics

Only students in Freshman standing at Harvard College may apply for a Freshman Seminar. Enrollment in Freshman Seminars is limited to 12. For a complete description of the Freshman Seminar Program and 2001–02 offerings, please consult the current Freshman Seminar catalog. Catalogs and application forms may be obtained from the Freshman Seminar Office, 6 Prescott Street, Cambridge, MA 02138 (telephone: (617) 495-1523; email: seminars@fas.harvard.edu).

Freshman Seminars 2001–02



***Freshman Seminar 5. Calculating Pi**

Catalog Number: 4737 Enrollment: Limited to 12.

Paul G. Bamberg

Half course (fall term). W., 2:30–5:30. EXAM GROUP: 7, 8, 9

Note: Open to Freshman only.

***Freshman Seminar 6. Human Modification of Freshwater Systems**

Catalog Number: 0135 Enrollment: Limited to 12.

Ana P. Barros

Half course (fall term). Tu., 1:30–4:30. EXAM GROUP: 15, 16, 17, 18

Note: Open to Freshman only.

***Freshman Seminar 7. From the Neolithic Revolution to the Green Revolution**

Catalog Number: 5664 Enrollment: Limited to 12.

Ofer Bar-Yosef

Half course (spring term). M., 1–4. EXAM GROUP: 6, 7, 8

Note: Open to Freshman only.

***Freshman Seminar 9. Autobiographical Underpinnings of Contemporary Biography**

Catalog Number: 2582 Enrollment: Limited to 12.

Janet Beizer

Half course (fall term). Th., 1–3:30. EXAM GROUP: 15, 16, 17, 18

Note: Open to Freshman only.

***Freshman Seminar 10. Why Be Just? Morality in an Uncertain World**

Catalog Number: 5479 Enrollment: Limited to 12.

Benjamin Fred Berger

Half course (spring term). Tu., 7–10 p.m. EXAM GROUP: 18

Note: Open to Freshman only.

***Freshman Seminar 11. Language, Gender, and Culture**

Catalog Number: 2788 Enrollment: Limited to 12.

Sue Brown

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

Note: Open to Freshman only.

***Freshman Seminar 12. A History of Zoos**

Catalog Number: 6327 Enrollment: Limited to 12.

Rory A. W. Browne

Half course (spring term). Th., 2–5. EXAM GROUP: 16, 17, 18

Note: Open to Freshman only.

***Freshman Seminar 13. Nation, State, and “Ethnic Cleansing”: The Case of Yugoslavia**

Catalog Number: 8474 Enrollment: Limited to 12.

Audrey Helfant Budding



Half course (fall term). W., 1:30–4:30. EXAM GROUP: 6, 7, 8, 9
Note: Open to Freshman only.

[*Freshman Seminar 14. Europe in American Literature and Film]

Catalog Number: 2891 Enrollment: Limited to 12.

Alide Cagidemetro ()

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

Note: Expected to be given in 2002–03. Open to Freshman only.

***Freshman Seminar 15. The Hindu Temple**

Catalog Number: 6665 Enrollment: Limited to 12.

Pramod Chandra

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

Note: Open to Freshman only.

***Freshman Seminar 16. European and American Prints**

Catalog Number: 4599 Enrollment: Limited to 12.

Marjorie B. Cohn

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

Note: Open to Freshman only.

***Freshman Seminar 17. Public Policy Approaches to Global Climate Changes**

Catalog Number: 1032 Enrollment: Limited to 12.

Richard N. Cooper

Half course (fall term). W., 1:30–4. EXAM GROUP: 6, 7, 8

Note: Open to Freshman only.

***Freshman Seminar 18. “Knowing” Boston: Historical Methods and the City of Boston**

Catalog Number: 3656 Enrollment: Limited to 12.

Catherine A. Corman

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

Note: Open to Freshman only.

***Freshman Seminar 19. Considering the Works of Art in the Harvard Art Museums, from Antiquity to the Present**

Catalog Number: 0012 Enrollment: Limited to 12.

James Cuno

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

Note: Open to Freshman only.

***Freshman Seminar 20. Jean-Jacques Rousseau**

Catalog Number: 8897 Enrollment: Limited to 12.

Leo Damrosch

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Note: Open to Freshman only.



***Freshman Seminar 21. Urban Experience in America**

Catalog Number: 8805 Enrollment: Limited to 12.

Gwendolyn Dordick

Half course (spring term). Tu., 2–5. EXAM GROUP: 16, 17, 18

Note: Open to Freshman only.

***Freshman Seminar 22. Historical Fiction**

Catalog Number: 7281 Enrollment: Limited to 12.

Erika Dreifus

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

Note: Open to Freshman only.

***Freshman Seminar 23. Molière and Comedy**

Catalog Number: 9131 Enrollment: Limited to 12.

Alexia Elisabeth Duc

Half course (fall term). Th., 3–6. EXAM GROUP: 17, 18

Note: Open to Freshman only.

***Freshman Seminar 24. The Workplace: The Roles of Business, Labor, and Government**

Catalog Number: 0016 Enrollment: Limited to 12.

John Thomas Dunlop

Half course (spring term). M., 2–4:30. EXAM GROUP: 7, 8, 9

Note: Open to Freshman only.

***Freshman Seminar 25. Colonizing the Americas**

Catalog Number: 7243 Enrollment: Limited to 12.

Carlos Ramiro Espinosa

Half course (fall term). Tu., 2–5. EXAM GROUP: 16, 17, 18

Note: Open to Freshman only.

***Freshman Seminar 26. The Aztecs and Maya**

Catalog Number: 7826 Enrollment: Limited to 12.

David L. Carrasco and William L. Fash

Half course (spring term). M., 1–4. EXAM GROUP: 6, 7, 8

Note: Open to Freshman only.

***Freshman Seminar 27. Boccaccio's *Decameron* and the Birth of the Novella**

Catalog Number: 8039 Enrollment: Limited to 12.

Franco Fido

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

Note: Open to Freshman only.

***Freshman Seminar 29. Research at the Harvard Forest**

Catalog Number: 0060 Enrollment: Limited to 12.

David R. Foster



Half course (spring term). Four Weekends at the Harvard Forest in Petersham, MA.

Note: Open to Freshman only.

***Freshman Seminar 30. Science and Technology**

Catalog Number: 1868 Enrollment: Limited to 12.

Roy J. Glauber

Half course (fall term). Hours to be arranged. EXAM GROUP: 6, 7, 8

Note: Open to Freshman only.

***Freshman Seminar 33. Tragedy**

Catalog Number: 4398 Enrollment: Limited to 12.

Erik Irving Gray

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

Note: Open to Freshman only.

***Freshman Seminar 35. "Are We Alone?": The Idea of Extraterrestrial Intelligence from the Scientific Revolution to Modern Science Fiction**

Catalog Number: 7829 Enrollment: Limited to 12.

Karl S. Guthke

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Note: Open to Freshman only.

***Freshman Seminar 37. Family Sagas and the Literature of Medieval Scandinavia**

Catalog Number: 4666 Enrollment: Limited to 12.

Joseph C. Harris

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Note: Open to Freshman only.

***Freshman Seminar 38. Soviet and Eastern European “New Wave” Cinema**

Catalog Number: 5248 Enrollment: Limited to 12.

Timothy Crocker Harte

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7, 8

Note: Open to Freshman only.

***Freshman Seminar 41. The Neurophysiology of Visual Perception**

Catalog Number: 7584 Enrollment: Limited to 12.

David H. Hubel (Medical School)

Half course (fall term). Alternate weeks in Cambridge (M., 2-5) and Medical Area (M., 1:30-4:30). EXAM GROUP: 6, 7, 8, 9

Note: Open to Freshman only.

***Freshman Seminar 43. Language and Pre-Historic Studies**

Catalog Number: 3017 Enrollment: Limited to 12.

Jay H. Jasanoff

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

Note: Open to Freshman only.



***Freshman Seminar 44. Literature and the Origins of American Mass Society**

Catalog Number: 6471 Enrollment: Limited to 12.

Philip Joseph

Half course (fall term). Hours to be arranged. EXAM GROUP: 16, 17, 18

Note: Open to Freshman only.

***Freshman Seminar 45. The Politics and History of the Internet**

Catalog Number: 1259 Enrollment: Limited to 12.

Kelly A. Joyce

Half course (spring term). W., 6–9.

Note: Open to Freshman only.

***Freshman Seminar 46. Japan Pop**

Catalog Number: 5160 Enrollment: Limited to 12.

Adam Kern

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7, 8

Note: Open to Freshman only.

***Freshman Seminar 47. Sonnets and Sermons: Christian Religious Writing within the English Tradition**

Catalog Number: 1461 Enrollment: Limited to 12.

Robert Kiely

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

Note: Open to Freshman only.

***Freshman Seminar 48. The Historical Bases of Korean Nationalism**

Catalog Number: 4281 Enrollment: Limited to 12.

Sun Joo Kim

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7, 8

Note: Open to Freshman only.

***Freshman Seminar 49. Rebellion, Violence, and Symbols of Grace: Religious Themes in American Literature**

Catalog Number: 4224 Enrollment: Limited to 12.

Courtney Bickel Lamberth

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Note: Open to Freshman only.

***Freshman Seminar 50. Cosmology**

Catalog Number: 0034 Enrollment: Limited to 12.

Myron Lecar

Half course (fall term). Tu., 4:30–7 p.m. EXAM GROUP: 18

Note: Only open to Freshman only.

***Freshman Seminar 51. The Story of the Stone**

Catalog Number: 8002 Enrollment: Limited to 12.



Wai-yee Li

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Note: Open to Freshman only.

***Freshman Seminar 52. The Origin and Evolution of Homo**

Catalog Number: 9218 Enrollment: Limited to 12.

Daniel E. Lieberman

Half course (fall term). Th., 2–5. EXAM GROUP: 16, 17, 18

Note: Open to Freshman only.

***Freshman Seminar 53. A Literary Tour of the American South**

Catalog Number: 8135 Enrollment: Limited to 12.

David A. Long

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Note: Open to Freshman only.

***Freshman Seminar 55. The Economist's View of the World**

Catalog Number: 5728 Enrollment: Limited to 12.

N. Gregory Mankiw

Half course (fall term). Hours to be arranged. EXAM GROUP: 15, 16, 17

Note: Open to Freshman only.

***Freshman Seminar 56. The Contemporary Latin American Political and Economic Landscape**

Catalog Number: 0038 Enrollment: Limited to 12.

Sylvia Maxfield

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

Note: Open to Freshman only.

***Freshman Seminar 57. Darwin**

Catalog Number: 6924 Enrollment: Limited to 12.

Everett I. Mendelsohn

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

Note: Open to Freshman only.

***Freshman Seminar 58. Microorganisms in the Biosphere**

Catalog Number: 2067 Enrollment: Limited to 12.

Ralph Mitchell

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Note: Open to Freshman only.

***Freshman Seminar 60. Memoirs and Biographies of the Holocaust**

Catalog Number: 9873 Enrollment: Limited to 12.

Mark Christopher Molesky

Half course (fall term). Hours to be arranged. EXAM GROUP: 7, 8

Note: Open to Freshman only.



***Freshman Seminar 62. Black Aesthetics**

Catalog Number: 7836 Enrollment: Limited to 12.

Martha Jane Nadell

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

Note: Open to Freshman only.

***Freshman Seminar 63. Perception and Recognition of Faces**

Catalog Number: 1272 Enrollment: Limited to 12.

Ken Nakayama

Half course (fall term). Hours to be arranged. EXAM GROUP: 17, 18

Note: Open to Freshman only.

***Freshman Seminar 67. Western Images of Russia, 1500-2001**

Catalog Number: 9970 Enrollment: Limited to 12.

Marshall T. Poe

Half course (fall term). Th., 2–5. EXAM GROUP: 16, 17, 18

Note: Open to Freshman only.

***Freshman Seminar 68. Victorian Literature and Communications**

Catalog Number: 3648 Enrollment: Limited to 12.

Leah Price

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

Note: Open to Freshman only.

***Freshman Seminar 73. Madness and Society**

Catalog Number: 8855 Enrollment: Limited to 12.

Charles E. Rosenberg

Half course (fall term). Hours to be arranged. EXAM GROUP: 9

Note: Open to Freshman only.

***Freshman Seminar 75. Twentieth-Century Russian Poetry**

Catalog Number: 1745 Enrollment: Limited to 12.

Stephanie Sandler

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

Note: Open to Freshman only.

***Freshman Seminar 78. Beyond the Amazon Basin: Environment, Development, and Conservation in Latin America**

Catalog Number: 6900 Enrollment: Limited to 12.

Otto T. Solbrig

Half course (spring term). Hours to be arranged. EXAM GROUP: 7, 8

Note: Open to Freshman only.

***Freshman Seminar 79. American Literature in English and Other Languages**

Catalog Number: 2907 Enrollment: Limited to 12.

Werner Sollors



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

Note: Open to Freshman only.

***Freshman Seminar 83. The Political Theory of Schools and Prisons**

Catalog Number: 1476 Enrollment: Limited to 12.

Christopher Sturr

Half course (spring term). W., 3–6. EXAM GROUP: 8, 9

Note: Open to Freshman only.

***Freshman Seminar 86. Cloning, Designer Babies, and the Genetic Imaginary**

Catalog Number: 6113 Enrollment: Limited to 12.

Charis Thompson

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

Note: Open to Freshman only.

***Freshman Seminar 87. Kipling and the Cultural History of the British Empire in India**

Catalog Number: 0325 Enrollment: Limited to 12.

T. Robert Travers

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

Note: Open to Freshman only.

***Freshman Seminar 88. Topics in Indo-Tibetan Buddhism**

Catalog Number: 2937 Enrollment: Limited to 12.

Leonard W. J. van der Kuip

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

Note: Open to Freshman only.

***Freshman Seminar 91. Films of Sergei Eisenstein**

Catalog Number: 7564 Enrollment: Limited to 12.

Justin Weir

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

Note: Open to Freshman only.

***Freshman Seminar 93. Quantitative Methods in Public Policy Decisions**

Catalog Number: 8839 Enrollment: Limited to 12.

Richard Wilson

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Note: Open to Freshman only.

***Freshman Seminar 94. Cylinder Seals in the Ancient Near East**

Catalog Number: 9085 Enrollment: Limited to 12.

Irene J. Winter

Half course (fall term). Hours to be arranged. EXAM GROUP: 15, 16, 17

Note: Open to Freshman only.



***Freshman Seminar 96. The Baroque, Classical, and Romantic Concertos: The Evolution of a Quintessential Instrumental Genre from Bach and Handel to Liszt and Brahms**

Catalog Number: 8946 Enrollment: Limited to 12.

Christoph Wolff

Half course (fall term). Tu., 2–5.

Note: Open to Freshman only.

***Freshman Seminar 98. Democracy and Citizenship in the United States**

Catalog Number: 2997 Enrollment: Limited to 12.

Karen Zivi

Half course (fall term). Hours to be arranged. EXAM GROUP: 8, 9

Note: Open to Freshman only.

African Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on African Studies

K. Anthony Appiah, Senior Fellow of the Society of Fellows (*Chair*)

Leila Ahmed, Professor of Women's Studies in Religion (*Divinity School*)

Emmanuel K. Akyeampong, Professor of History (*on leave 2001-02*)

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

Robert H. Bates, Eaton Professor of the Science of Government

Suzanne P. Blier, Professor of the History of Art and Architecture

Samba Diop, Assistant Professor of Romance Languages and Literatures

Felton James Earls, Professor of Social Medicine and Professor of Human Behavior and Development in the School of Public Health and Child Psychiatry (*Medical School*)

Caroline M. Elkins, Assistant Professor of History

Deborah D. Foster, Senior Lecturer on Folklore and Mythology

Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities

Suzanne Grant Lewis, Assistant Professor of Education (*School of Education*)

Allan G. Hill, Andelot Professor of Demography (*Public Health*)

Sanjeev Khagram, Assistant Professor in Public Policy (*Kennedy School*)

Michael Robert Kremer, Professor of Economics (*on leave spring term*)

Harry S. Martin III, Professor of Law and Library (*Law School*)

J. Lorand Matory, Professor of Anthropology and of Afro-American Studies (*on leave spring term*)

Pauline E. Peters, Lecturer on Anthropology

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music



Richard Wolf, Assistant Professor of Music (*on leave 2002-03*)

The Committee on African Studies is a multidisciplinary group of scholars appointed 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 noncredit Africa Seminar is open to all students and faculty members. The Committee offers undergraduate summer grants for senior honors thesis study and graduate dissertation research grants for travel to Africa.

The courses listed below deal either directly or indirectly with the study of Africa. A more detailed description of these courses may be found in this catalog under the appropriate department or committee. Other relevant courses are listed in the catalogs of the schools of Public Health, Education, Law, Divinity, Business, and the Kennedy School of Government. Each September, the Committee publishes "African Studies at Harvard," a University-wide guide to courses, faculty, and programs. The guide is posted at our website: www.fas.harvard.edu/~cafrica. A printed version is available at the Committee's administrative office in Coolidge Hall 202, 1737 Cambridge Street, Cambridge, MA, 02138, or by calling (617) 495-5265. The fax number is (617) 496-5183, and email is cafrica@fas.harvard.edu.

(Core) Foreign Cultures 70; Historical Study B-52, B-57; Literature and Arts B-27, B-78; Social Analysis 52, 56;

Afro-American Studies 128, 165y, 169;

Anthropology 105, 123, 139, 140, 256, 277;

English 167p;

Folklore and Mythology 113;

French 42, 70c, 188, 194, 289r;

Government 90km, 1100, 2162, 2197;

History 1901, 1903, 1906, 1907, 1908, 1910, 1911, 1912, 1915, 1920, 1921, 2909;

History of Art and Architecture 196;

History of Science 153;

Linguistics 140;

Medical Sciences 322;



Music 178r;

(Near Eastern Languages and Civilizations) Swahili A, 120ar, 120br;

Religion 1017, 1551, 2800;

Social Studies 98aa, 98ca, 98cr;

Women's Studies 110c.

Afro-American Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Afro-American Studies

Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities (*Chair*)

K. Anthony Appiah, Senior Fellow of the Society of Fellows (*Director of Graduate Studies*)

Suzanne P. Blier, Professor of the History of Art and Architecture

Lawrence D. Bobo, Norman Tishman and Charles M. Dikner Professor of Sociology and of Afro-American Studies

Karen McCarthy Brown, Visiting Professor of Afro-American Studies and of Ethnic Studies (*Drew University*)

Kimberly McClain DaCosta, Assistant Professor of Afro-American Studies and of Social Studies, Associate of Afro-American Studies

Evelyn Brooks Higginbotham, Professor of History and of Afro-American Studies (*Director of Undergraduate Studies*) (*on leave fall term*)

Jennifer L. Hochschild, Professor of Government

Isaac Julien, Visiting Lecturer on Afro-American Studies and on Visual and Environmental Studies

Jamaica Kincaid, Visiting Lecturer on Afro-American Studies and on English and American Literature and Language (*spring term only*)

J. Lorand Matory, Professor of Anthropology and of Afro-American Studies (*on leave spring term*)

Ingrid Monson, Quincy Jones Professor of African-American Music (*on leave fall term*)

Marcyliena Morgan, Visiting Associate Professor in the Department of Afro-American Studies (*University of California, Los Angeles*)

Susan E. O'Donovan, Assistant Professor of Afro-American Studies and of History

Gwendolyn DuBois Shaw, Assistant Professor of History of Art and Architecture and Afro-



American Studies

Tommie Shelby, Assistant Professor of Afro-American Studies and of Social Studies (*on leave 2002-03*)

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of Afro-American Studies

Cornel West, Alphonse Fletcher, Jr., University Professor

William Julius Wilson, Harvard University Professor and Malcolm Wiener Professor of Social Policy (*Kennedy School*) (*on leave 2002-03*)

Other Faculty Offering Instruction in Afro-American Studies

Emmanuel K. Akyeampong, Professor of History (*on leave 2001-02*)

Homi K. Bhabha, Anne F. Rothenberg Professor of English and American Literature and Language (*on leave fall term*)

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*on leave 2001-02*)

Randall L. Kennedy, Professor of Law (*Law School*)

Naomi Pabst, Lecturer on Afro-American Studies and on Women's Studies

Orlando Patterson, John Cowles Professor of Sociology

Elisabeth Schüssler Fiorenza, Krister Stendahl Professor of Divinity (*Divinity School*)

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music

Ronald Thiemann, John Lord O'Brian Professor of Theology (*Divinity School*)

Roberto Mangabeira Unger, Professor of Law (*Law School*)

Primarily for Undergraduates

Afro-American Studies 10. Introduction to Afro-American Studies

Catalog Number: 0802

Cornel West

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

An exploration of some of the key texts and issues in Afro-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. Students who transfer into the concentration after their sophomore year may substitute another Afro-American Studies course already taken if they satisfy the Head Tutor that this course establishes a basic familiarity with the materials covered in Afro-American Studies 10.

***Afro-American Studies 91r. Supervised Reading and Research**

Catalog Number: 1269

Evelyn Brooks Higginbotham and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Students wishing to enroll must petition the Head Tutor 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.



***Afro-American Studies 97a (formerly Afro-American Studies 11). Jazz, Race, and Politics Since WWII**

Catalog Number: 1439 Enrollment: Limited to Afro-American Studies concentrators and others by permission of the instructor.

Ingrid Monson

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

This course addresses the relationship between music and politics after WWI, with emphasis on the impact of Civil Rights Movement and African independence on the aesthetics and politics of jazz. Segregation in the music industry, activism among musicians, and the international significance of jazz and popular music are among the topics addressed. The development of both listening skills and frameworks for social analysis will be intertwined as we explore various postwar musical developments.

***Afro-American Studies 97b (formerly Afro-American Studies 12). Topics in Afro-American History and Society: Seminar**

Catalog Number: 2393 Enrollment: Limited to Afro-American Studies concentrators, and others by permission of instructor.

Kimberly McClain DaCosta

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

This course introduces topics in Afro-American society and history by focusing on a general theme—changing concepts of blackness. Using a wide range of empirical and theoretical materials, we problematize what constitutes “race” and “blackness.” We explore issues of class division, regional variation, immigration, intermarriage, sexuality and gender, the social conditions which give rise to such formations, and their relation to political and cultural constructions of blackness.

***Afro-American Studies 98. Tutorial**

Catalog Number: 6272

Evelyn Brooks Higginbotham and members of the tutorial staff

Half course (fall term; repeated spring term). Hours to be arranged.

Students wishing to enroll must petition the Head Tutor 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 Afro-American Studies 10, or a substitute course approved by the Head Tutor.

***Afro-American Studies 99. Tutorial — Senior Year**

Catalog Number: 8654 Enrollment: Limited to honors candidates.

Evelyn Brooks Higginbotham and members of the Department

Full course. Hours to be arranged.

Thesis supervision under the direction of a member of the Department.

For Undergraduates and Graduates

[Afro-American Studies 110. African-American Women’s History: Seminar]

Catalog Number: 7017 Enrollment: Limited to 25.



Evelyn Brooks Higginbotham

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

Explores the history of African-American women from the days of slavery to the 1960s. Special emphasis on such topics as the myths and realities of gender identity for African-American women, family life and the challenges posed by black feminism, work patterns, organizational activities, and cultural production. This is an inter-disciplinary course that draws upon the writings of historians, literary critics, sociologists, and novelists.

Note: Expected to be given in 2002–03.

Afro-American Studies 118. African-American History from the Slave Trade to 1900

Catalog Number: 7429

Susan E. O'Donovan

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to African American history and the role black men and women have played in the cultural, economic, and political life of the United States. 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.

Afro-American Studies 119. The Age of Jim Crow

Catalog Number: 6246

Evelyn Brooks Higginbotham

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

This seminar explores a time when racial segregation was the rule of law. We will explore the rise of Jim Crow beginning in the late nineteenth century and follow its implications and consequences for black and white Americans until the 1950s when the assault on segregation was successfully waged. The course will examine a number of themes, such as the legal process, disfranchisement, violence, arts and entertainment, and scientific racism, but we will also study the institutions, leaders, and ideologies that enabled Americans as individuals and as a group to advance despite the obstacles.

[Afro-American Studies 121. The Tragic, The Comic, and The Political]

Catalog Number: 2170

Cornel West

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

This seminar will examine the complex tragic, comic, and political responses to the problem of evil—unjustified suffering and underserved harm—through the distinctive and neglected medium of dramatic art. We shall begin with Sophocles's *Antigone*, Dante's *Inferno*, and Shakespeare's *Hamlet*. Then we will plunge into the terrifying night-side of modernity by wrestling with the great works of Kant, Hume, Dostoevsky, (Nathaniel) West, Kafka, Ibsen, Chekhov, Williams, O'Neill, Lorca, Hansberry, Brecht, Beckett, Hwang, Jones, and Soyinka.

Note: Expected to be given in 2002–03. Formerly offered as Divinity School 2451.

[Afro-American Studies 123z. American Democracy]

Catalog Number: 2354



Cornel West and Roberto Mangabeira Unger (Law School)

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

Considers, in an American setting, the contemporary meaning of the democratic idea, the relation of democratic government to the market economy as well as to the class, gender and racial divisions of society, and the alternative institutional futures of democracy. Two focal points for the argument of the course are: 1) the exploration of possible, more democratizing arrangements for the organization of government, the economy, and civil society, and 2) the changes in consciousness, culture, and education needed to sustain such arrangements. Seeing American problems and possibilities as variations on worldwide themes, the course asks what it would mean to sacrifice American “exceptionalism” to American experimentalism.

Note: Expected to be given in 2002–03. Additional discussion hour scheduled weekly. Offered jointly with the Law School as 30500-11.

[Afro-American Studies 124. Constructions of Identity]

Catalog Number: 3341

K. Anthony Appiah

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

Examines the debates about the social construction of race, gender, and sexuality. After exploring some work on gender and on lesbian and gay identities, the course will focus, in particular, on the debates about the interaction between gender and sexuality, on the one hand, and race, on the other. Discussions will center around the claims in political theory for the relevance of these collective identities for conceptions of citizenship and of political life.

Note: Expected to be given in 2002–03.

[Afro-American Studies 124y. Race: A Conceptual Exploration Seminar]

Catalog Number: 4852

K. Anthony Appiah

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

Human beings characteristically suppose that we come in various kinds. In classifying people into these kinds, different societies have used different sorts of properties. Beginning in the Enlightenment, European and American thinkers began to divide our species into a number of global kinds, relying more and more on modes of classification that were also applied to other animals. Membership in such global kinds as Negro, Caucasian, Mongoloid, Semitic, or Aryan was increasingly held to explain a very wide range of phenomena. In this course, we shall explore the ways in which these modern *racial* modes of classification have developed over the last three centuries, and look critically at some of the uses to which they have been put.

Note: Expected to be given in 2002–03.

Afro-American Studies 125. Philosophical Problems of Race and Racism

Catalog Number: 3822

K. Anthony Appiah

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

“Race” is a central term in political debate, social theory and everyday life in our society. It is widely held to be important in large measure because of the history of what we call “racism” in the United States and more generally, in the modern world. Yet there is little reflection on and no consensus about how either “race” or “racism” should be understood. We shall explore three key



questions: How are we to understand the term “race”? What is racism? and Why is racism wrong?

[Afro-American Studies 126. Philosophical Perspectives on Issues of Race]

Catalog Number: 7898 Enrollment: Limited to 25.

Tommie Shelby

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

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 2002–03.

Afro-American Studies 127. Marxist Theories of Racism

Catalog Number: 3133 Enrollment: Limited to 25. Preference given to Afro-American Studies concentrators.

Tommie Shelby

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

Marx himself doesn’t say much about racism. However, many social scientists and historians have attempted to extend Marx’s ideas to explain the phenomena of racial oppression and racial antagonism. This course critically examines several Marxist and neo-Marxist accounts of racial ideology, the construction of racial identities, the relationship between class exploitation and racial subordination, and the role of capitalist development and expansion in perpetuating racial inequality.

Afro-American Studies 128. Black Nationalism

Catalog Number: 3426

Tommie Shelby

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

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; the role of black cultural expression in black freedom struggles; 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.

Afro-American Studies 130. Harlem Renaissance

Catalog Number: 1261

Henry Louis Gates, Jr.

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

Examines the period of unprecedented African-American literary flowering during the 1920s and 1930s. Special attention will be given to the following: Harlem and other cultural centers; dialect in poetry and prose; the impact of women authors, editors, and critics; and the central positioning of the Harlem Renaissance in the African American literary tradition.



Afro-American Studies 131. Afro-American Literature to the 1920s

Catalog Number: 2589

Werner Sollors

Half course (fall term). M., W., (F.), at 10. Additional discussion hour scheduled every Friday at 10:00 a.m. EXAM GROUP: 3

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, Frederick 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, W.E.B. Du Bois, Booker T. Washington, and James Weldon Johnson.

Note: Special emphasis on Olaudah Equiano and Charles W. Chestnut.

Afro-American Studies 133. African-Americans in the Civil War Era: Conference Course

Catalog Number: 1090

Susan E. O'Donovan

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

No people had a larger stake in the abolition of slavery in the US than African-Americans. This course will focus on the critical roles they played in the national struggle over the meaning of freedom in the Civil War era. Special attention will be paid to the ways in which antebellum and wartime experiences as men and women, slaves and free people, shaped African American's aspirations and options in the postemancipation world.

[Afro-American Studies 134y. Memory, Landscape and the African-American]

Catalog Number: 3543

Jamaica Kincaid

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

A people will point to a landscape (the ruggedness of mountains, the lushness of their meadowlands, the mighty flow of a river) to explain their national character. Is this so for the African in America? Readings include Thomas Jefferson's "Notes on Virginia," Elizabeth Bishop, *Slave Narratives* of Frederick Douglass and Mary Prince, Derek Walcott Horace Walpole, John Milton among others.

Note: Expected to be given in 2002–03.

Afro-American Studies 134z. Reading Thomas Jefferson and The African in America

Catalog Number: 9959

Jamaica Kincaid

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

"We hold these truths to be self-evident: that all men are created equal...." The author of those words was Thomas Jefferson, third president of the United States; but who might have needed them more, the author and President or a contemporary of his, a man he owned named Jupiter. A look through his writings into the world of Thomas Jefferson and the influence the enslaved African had upon him. Special attention will be paid to "The Declaration of Independence," "Notes on the State of Virginia," and "The Farm and Garden Book."



[Afro-American Studies 135z. James Baldwin and Lorraine Hansberry]

Catalog Number: 2175

Cornel West

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

Examines the major works—fiction and non-fiction—of these two towering figures. We shall explore their conceptions of what it means to be human, modern, American, and Black.

Note: Expected to be given in 2002–03.

Afro-American Studies 138z. Interracial Literature

Catalog Number: 0164

Werner Sollors

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

This course examines a wide variety of literary texts and films 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, non-fiction and examples from visual arts. Topics for discussion range from interracial genealogies to racial “passing,” from representations of racial difference to alternative plot resolutions, from religious and political to legal and scientific contexts for the changing understanding of “race.”

Afro-American Studies 139. Black Travel and Transnationality

Catalog Number: 4744 Enrollment: Limited to 40.

Naomi Pabst

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

Course examines black travel writing within a broader rubric of black literature and the emerging genre, “travel literature.” With attention to modes of representation and narrative strategy, we will explore histories of black travel and travellers, and the ways that transnational border-crossing influences the cultural, ideological, and political parameters of black identity. We will establish the forms, varieties, motivations, conflicts, and dilemmas of black travel, tourism, and transnational movement, as brought to bear upon issues of race, class, gender, nationality, imperialism, and globalization. Authors include Langston Hughes, James Baldwin, Paule Marshall, Michele Cliff, Dany Laferrière, Shay Youngblood.

[Afro-American Studies 140. Syncretism: Seminar]

Catalog Number: 3988

J. Lorand Matory

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

Addresses hotly debated methods in the study of African American lifeways. Syncretism is the convergence of practices and beliefs of diverse origins, culminating in the synthesis of new cultural forms, like jazz and Cuban “Santería.” Examines the cultural prefigurations and political conditions that determine local syntheses and complicate conventional models of cultural retention and purity, acculturation, assimilation, and pluralism. While focused on the African diaspora in the Americas, includes comparative materials from Africa, Asia, Europe, and the Pacific.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 3827.


[Afro-American Studies 141 (formerly Anthropology 157). Afro-Atlantic Religions]

Catalog Number: 3336

J. Lorand Matory
Half course (spring term). Hours to be arranged.

Investigates the spiritual, political, and economic lives of millions around the Atlantic perimeter who worship African gods: West and Central Africans, Cubans, Brazilians, Haitians, and North Americans. For them, the gods are sources of power, organization, and healing amid the local political dominance of Muslims and Christians and the seismic expansion of international capitalism—conditions which themselves require significant attention. Lectures focus on such themes as women's empowerment and the construction of gender in these religions, while a series of in-class discussions with priests will propose its own themes.

Note: Expected to be given in 2002–03. Offered jointly with Divinity School as 3692.

Afro-American Studies 143. African-Americans and a New Racial Divide

Catalog Number: 9321

Lawrence D. Bobo
Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

This course directly engages the debate over racism in post-civil rights America. It provides a contemporary assessment of whether, how much, and why racial dynamics influence education, the economy, politics, and broader social relations. Special attention is devoted to matters of general intellectual and cultural trends as well as to the hard politics of the welfare reform, the criminal justice system, and the HIV/AIDs epidemic in Black communities. It seeks a critical assessment of the future of African-Americans in the post-civil rights, post-affirmative action U.S.

Afro-American Studies 144. Haiti and Haitian Vodou

Catalog Number: 8406

Karen McCarthy Brown (Drew University)
Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The practice of Vodou set in historical, political, and cultural contexts, in Haiti and the US Haitian diaspora. Topics include, among others, African influences, the Haitian Revolution, gender, sexuality, healing, and transnationalism.

Afro-American Studies 145. Live Religion in the American City

Catalog Number: 3203

Karen McCarthy Brown (Drew University)
Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

An investigation of religious practices in multi-ethnic, religiously pluralistic cities, with special attention to issues such as social gatekeeping, sites of resistance and/or rebellion, multiple religious allegiances, architectural bricolage, and value negotiation.

[Afro-American Studies 151. Politics and Society in Contemporary Africa]

Catalog Number: 2564

Full course. Hours to be arranged.

This course explores the dynamics of inheritance and choice in post-colonial Africa's changing



political arenas. The course focuses on different approaches to autochthony (or institutional hybridity) since c. 1945, using fictional and non-fictional material. Also to be explored are some implications of both forms for constructions of identity, progress and change in Africa and among its Diasporas.

Note: Expected to be given in 2002–03. This course is to be offered over two semesters to allow in-depth discussion of historical continuities and change potential on various levels. A part informal-conversational and part Socratic method of teaching/pedagogy is to be adopted. To facilitate discussion in class, readings and supplementary material- video clips, documentaries, feature articles, official reports, guest presentations, etc., are to be made available ahead of meetings, as applicable. Student-led seminars are to be encouraged, as are essays and term papers. A written examination is not anticipated.

Afro-American Studies 152. African-American English

Catalog Number: 3137

Marcyliena Morgan (University of California, Los Angeles)

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

This course examines the changing and diverse character of the US African American speech community by providing an overview of language and communicative practices and beliefs. Special focus will be on urban youth language, culture and identity. We will review and analyze significant theories and arguments concerning the description, genesis, maintenance, and social function of African American English, interaction and verbal genres.

Afro-American Studies 153. Hip Hop America: Power, Politics and the Word

Catalog Number: 3152

Marcyliena Morgan (University of California, Los Angeles)

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

This course examines the development of hip hop in the US as a cultural, political and artistic resource. In particular, we will examine hip hop literacy, language and learning, art, performance and dress. Topics include: culture, community, crime and injustice, economics, education, family, history, identity, language, politics, sports, race and racism, sex and sexism. Emphasis will be placed on hip hop in a variety of contexts including schools, religious organizations and political movements.

[Afro-American Studies 154. Language and Discourse: Race and Class]

Catalog Number: 9990

Marcyliena Morgan (University of California, Los Angeles)

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

The purpose of this course is to study, analyze and critique theories concerning the discursive construction of identity(s) and forms of representation of cultures. It will explore the relationship between power and powerful speech through reviews and critiques of theories of language, culture, and identity as they relate to ethnicity, race, and social class. Focus will be on language ideology and analysis of discourse styles used in the construction of regional, national, and global communities.

Note: Expected to be given in 2002–03.



[Afro-American Studies 155. Contact Languages: Language, Discourse, and Verbal Style in the African Diaspora]

Catalog Number: 2388

Marcyliena Morgan (University of California, Los Angeles)

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

Contact situations are often catastrophic events and include conquerors and the conquered, oppressors and the oppressed, intermediaries, onlookers, and more. This course explores the history of contact languages in the African Diaspora from a linguistic, political, social and cultural perspective. Focus will be on language contact resulting from plantation slavery in the Caribbean, and North and South America. And how it effects standardization, identity and nationalism.

Note: Expected to be given in 2002–03.

[Afro-American Studies 165y. African Women in Art and History]

Catalog Number: 2301 Enrollment: Limited to 12.

Suzanne P. Blier

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

Looks at the issues of gender identity, power, and display through the lens of key traditions of African art. Women as subjects, patrons, artists, and critics will also be explored in a range of contexts. Female/male aesthetics, male personification of females in masquerades, the prominence of androgyny in African art, “mother gods,” art in contexts of gender socialization, women on local governance, women in colonial discourse, and women on the move, are other issues which will be examined.

Note: Expected to be given in 2002–03. Meets at the Sackler Museum.

[Afro-American Studies 166. Proseminar: Contemporary African-American Visual Culture]

Catalog Number: 4829 Enrollment: Limited to 25.

Gwendolyn DuBois Shaw

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

Through examination of painting and sculpture, photography, film and video, sports and fashion, this course will explore the production, criticism, and exploitation of contemporary African American visual culture.

Note: Expected to be given in 2002–03. Course convenes in Sackler 406.

[Afro-American Studies 167. Images of Blacks, Blacks Making Images](#)

Catalog Number: 2880

Gwendolyn DuBois Shaw

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This course examines the artistic production and the representation of black people in the art of the Western world with a primary focus on archival resources, exhibition practice, collections, and museum catalogues. Its aim is to introduce undergraduates to a variety of art historical research practices using a dynamic schedule of one lecture and one visit to the Image of the Black in Western Art archive, the Fine Arts Library, or other off-site field trip, each week.

Note: To be held at the Sackler. One day of off-site classroom instruction. Locations to be announced in class. Off-site classroom sessions will be convened from 2-4.



Afro-American Studies 168. Visual Culture of Latina and African-American Women

Catalog Number: 5551

Gwendolyn DuBois Shaw

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This course examines contemporary art made by African American and Latina women working in North America. Special attention will be given to various approaches to writing about raced and gendered artistic production taken over the last three decades. Throughout the course we will contrast critical with academic essays and traditional artistic approaches with Post-modern practices.

Note: To be held in the Sackler.

Afro-American Studies 169. Visualizing Africa

Catalog Number: 6598 Enrollment: Limited to 25.

Suzanne P. Blier, K. Anthony Appiah, and Henry Louis Gates, Jr.

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

This course examines 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 will be discussed. The interface between Africa and the Christian and Islamic Worlds, as well as larger concerns of Slavery, Colonialism, and contemporary art are examined.

Afro-American Studies 187y. Black Cinema as Genre—From Blaxploitation to Quentin Tarantino

Catalog Number: 9338

Isaac Julien

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

Looks at the history of African-American Cinema (from Oscar Micheaux to Spike Lee) and focuses on the use of stereotypes and hyperbole in some of its post-war popular genres including blaxploitation (Melvin van Peebles). Discussions will focus on issues of sexism and homophobia as well as the way space, time, and the city figure in these cinemas. Topics include: representation of gender in Dash's *Illusions* and Lee's *Girl 6*; the role of Pam Grier in blaxploitation films; the "soul film" genre (*Superfly*) and black independent cinema (*Ganja and Hess*); the construction of black masculinity in *Boyz 'n the Hood* and gangsta-rap themed *noir* films; and the appropriation of black cinema by other film-makers and genres such as the *aesthetic du cool* of Quentin Tarantino.

Note: Previous background in cultural theory and/or film theory recommended but not required.

[Afro-American Studies 191. The Civil Rights Movement: Seminar]

Catalog Number: 0897

Evelyn Brooks Higginbotham

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

Explores the movement from its integrationist period in the 1950s and early 1960s to the heyday of militant black power in the late 1960s and early 1970s. Attention given to grassroots community activism, the contribution of nationally prominent individuals and organizations, and the changing of American laws, society, and the state.

Note: Expected to be given in 2002–03.



[*Afro-American Studies 196. Sociological Perspectives on Racial Inequality in America: Seminar]

Catalog Number: 4619 Enrollment: Limited to 30.

William Julius Wilson (Kennedy School)

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

Examines classical and contemporary works on racial inequality in America. Different conceptions of the social, economic, and political situations that affect the state and nature of race relations are critically analyzed, as well as the different views on race and social policy.

Note: Expected to be given in 2002–03. Offered jointly with the Kennedy School as HLE-209. Students must attend the first meeting of the class to enroll.

Afro-American Studies 196z. Race, Segregation and Inequality

Catalog Number: 5210

Lawrence D. Bobo

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

Examines the changing status of African-Americans in the post-civil rights era from a variety of social science perspectives. The focus is on major scholarly assessments of the status of Blacks. Among the focal points of inquiry will be: race-based economic inequality; processes of racial residential segregation; and racial prejudice and bias in politics and everyday interaction. Although focused on contemporary issues and research, the course draws on foundational approaches developed by Du Bois, Johnson, and Drake and Cayton in their pioneering assessments of the status of Blacks.

Primarily for Graduates

[Afro-American Studies 218. Topics in African American History]

Catalog Number: 9951

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

Note: Expected to be given in 2002–03.

[Afro-American Studies 231. Topics in African American Literary Studies]

Catalog Number: 8492

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

Note: Expected to be given in 2002–03.

[Afro-American Studies 241. Topics in African American Social Science]

Catalog Number: 0198

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

Note: Expected to be given in 2002–03.

Graduate Courses



***Afro-American Studies 301. Humanities, Literary and Cultural Studies: Seminar**

Catalog Number: 3120

K. Anthony Appiah 3067 and other faculty

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

This is half of a year long course in which students are introduced to major themes, debates and texts in the broad interdisciplinary field of African-American Studies. Afro-American Studies 301, in the fall term, focuses on humanities and literary and cultural studies.

Note: Required for all graduates in Afro-American Studies in their first year and ordinarily only graduate students affiliated with the program will be permitted to attend.

***Afro-American Studies 302. Social Sciences: Seminar**

Catalog Number: 7559

K. Anthony Appiah 3067 and other faculty

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

This is half of a year long course in which students are introduced to major themes, debates and texts in the broad interdisciplinary field of African-American Studies. Afro-American Studies 302, in the spring term, focuses on the social sciences.

Note: Required for all graduates in Afro-American Studies in their first year and ordinarily only graduate students affiliated with the program will be permitted to attend.

***Afro-American Studies 310. Individual Reading Tutorial**

Catalog Number: 1374

K. Anthony Appiah 3067, Emmanuel K. Akyeampong 3421 (on leave 2001-02), Homi K. Bhabha 4100 (on leave fall term), Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Henry Louis Gates, Jr. 2899, Evelyn Brooks Higginbotham 3517 (on leave fall term), Jennifer L. Hochschild 3785, J. Lorand Matory 3098 (on leave spring term), Ingrid Monson 1591 (on leave fall term), Marcyliena Morgan (University of California, Los Angeles) 2212, Susan E. O'Donovan 3962, Orlando Patterson 1091, Elisabeth Schüssler Fiorenza (Divinity School) 3193, Gwendolyn DuBois Shaw 3799, Tommie Shelby 3863 (on leave 2002-03), Kay Kaufman Shelemay 3483, Werner Sollors 7424, Ronald Thiemann (Divinity School) 3395, Roberto Mangabeira Unger (Law School) 4609, Cornel West 1212, and William Julius Wilson (Kennedy School) 2401 (on leave 2002-03)

This course allows students to work with an individual member of the faculty in a weekly tutorial. 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.

***Afro-American Studies 390. Individual Research**

Catalog Number: 4046

K. Anthony Appiah 3067, Emmanuel K. Akyeampong 3421 (on leave 2001-02), Homi K. Bhabha 4100 (on leave fall term), Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Henry Louis Gates, Jr. 2899, Evelyn Brooks Higginbotham 3517 (on leave fall term), Jennifer L. Hochschild 3785, J. Lorand Matory 3098 (on leave spring term), Ingrid Monson 1591 (on leave fall term), Marcyliena Morgan (University of California, Los Angeles) 2212, Susan E. O'Donovan 3962, Orlando Patterson 1091, Elisabeth Schüssler Fiorenza (Divinity School) 3193, Gwendolyn DuBois Shaw 3799, Tommie Shelby 3863 (on leave 2002-03), Kay Kaufman Shelemay 3483, Werner Sollors 7424, Ronald Thiemann (Divinity School) 3395, Roberto Mangabeira Unger



(Law School) 4609, Cornel West 1212, and William Julius Wilson (Kennedy School) 2401 (on leave 2002-03)

This course requires students to identify a research project 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.

***Afro-American Studies 399. Direction of Doctoral Dissertations**

Catalog Number: 8411

K. Anthony Appiah 3067, Emmanuel K. Akyeampong 3421 (on leave 2001-02), Homi K. Bhabha 4100 (on leave fall term), Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Henry Louis Gates, Jr. 2899, Evelyn Brooks Higginbotham 3517 (on leave fall term), Jennifer L. Hochschild 3785, J. Lorand Matory 3098 (on leave spring term), Ingrid Monson 1591 (on leave fall term), Marcyliena Morgan (University of California, Los Angeles) 2212, Susan E. O'Donovan 3962, Orlando Patterson 1091, Elisabeth Schüssler Fiorenza (Divinity School) 3193, Gwendolyn DuBois Shaw 3799, Tommie Shelby 3863 (on leave 2002-03), Kay Kaufman Shelemay 3483, Werner Sollors 7424, Ronald Thiemann (Divinity School) 3395, Roberto Mangabeira Unger (Law School) 4609, Cornel West 1212, and William Julius Wilson (Kennedy School) 2401 (on leave 2002-03)

Cross-listed Courses

[Afro-American Studies 124. Constructions of Identity]

[Anthropology 110. Introduction to Social Anthropology](#)

[*Economics 1357. Historical Perspectives on American Economic Ascendancy]

[Economics 1800. The Economics of Cities]

[Economics 1812. The U.S. Labor Market](#)

[Economics 1815. Social Problems of the American Economy]

[*English 90cf. Caribbean Fictions]

[English 167p. Postcolonial Narratives](#)

[*English 276x \(formerly *English 90vl\). African-American Literary Tradition: Graduate Seminar](#)

[*English 292. Issues in the Study of American Literature: Graduate Seminar](#)

[Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance as a Medium of Cultural and Personal Meaning](#)

[Folklore and Mythology 115. The African Oral Narrative Tradition](#)

[Government 90we. Law and Politics of Affirmative Action](#)

[Government 2335. Power in American Society](#)

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

[History 1622. Readings in the History of Slavery: Conference Course](#)

[History 1660. Using Primary Sources in African-American History: Conference Course]

[History 1912. Health, Disease and Ecology in African History: Conference Course]

[History 1952. Comparative Colonialism: Conference Course](#)

[History 2661. Graduate Readings in 20th-Century African-American History](#)

[History of Art and Architecture 19x. Introduction to African American Art History](#)

[History of Art and Architecture 196. Contemporary Art in Africa](#)

[Linguistics 86. Ebonics: Myths and Facts](#)



[Linguistics 140. Understanding Creole Vernaculars and Cultures](#)
[Literature and Arts B-27. Majesty and Mythology in African Art](#)
[Moral Reasoning 58. Slavery in Western Political Thought](#)
[Religion 1531. Christianity and Democracy](#)
[Social Analysis 52. Growth and Development in Historical Perspective](#)
[Social Analysis 66. Race, Ethnicity, and Politics in the United States](#)
[Sociology 60. Race and Ethnic Relations](#)
[Sociology 184b. Freedom and Society in the Modern World]
[*Sociology 188. Lines that Divide: Race, Class, Gender, and Ethnicity in the Ethnographic Tradition: Conference Course]
[*Sociology 221. Immigration, Identity and Assimilation: Seminar](#)
[Women's Studies 160. Black Feminisms: Seminar Course](#)

Anthropology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Anthropology

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology (*Chair*)
Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology (*on leave spring term*)
John C. Barry, Director of the Laboratory of Paleoanthropology in the Peabody Museum of Archaeology and Ethnology, Lecturer on Anthropology
Theodore C. Bestor, Professor of Anthropology
David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America in the Faculty of Divinity and the Faculty of Arts and Sciences
Steven C. Caton, Professor of Contemporary Arab Studies
Peter T. Ellison, Harvard College Professor and Professor of Anthropology and Dean of the Graduate School of Arts and Sciences
Michael Herzfeld, Professor of Anthropology (*on leave spring term*)
Engseng Ho, Assistant Professor of Anthropology and of Social Studies
Eric Christopher Kansa, Lecturer on Anthropology
Arthur Kleinman, Professor of Medical Anthropology in the Faculties of Medicine and Arts and Sciences
Cheryl D. Knott, Assistant Professor of Anthropology
C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology
Steven A. LeBlanc,



Yun Kuen Lee, Assistant Professor of Anthropology (*on leave fall term*)
Mark Leighton, Lecturer on Anthropology
Daniel E. Lieberman, Professor of Anthropology
Susan F. Lipson, Lecturer on Anthropology
Carole A. Mandryk, Lecturer on Anthropology
Frank W. Marlowe, Associate Professor of Anthropology
J. Lorand Matory, Professor of Anthropology and of Afro-American Studies (*on leave spring term*)
David H. P. Maybury-Lewis, Edward C. Henderson Professor of Anthropology (*on leave fall term*)
Castle McLaughlin, Research Associate in the Peabody Museum
Richard H. Meadow, Senior Lecturer on Anthropology
Pauline E. Peters, Lecturer on Anthropology
David Pilbeam, Henry Ford II Professor of the Social Sciences (*on leave 2001-02*)
Maryellen Ruvolo, Professor of Anthropology
Lawrence E. Stager, Dorot Professor of the Archaeology of Israel
Mary M. Steedly, Professor of Anthropology
David S. Stuart, Senior Lecturer on Anthropology
Stanley J. Tambiah, Esther and Sidney Rabb Professor of Anthropology
Lucia Volk, Lecturer on Anthropology
Kay B. Warren, Professor of Anthropology (*on leave 2002-2003*)
James L. Watson, John King and Wilma Cannon Fairbank Professor of Chinese Society
Rubie S. Watson, Howells Director of the Peabody Museum of Archaeology and Ethnology
Richard W. Wrangham, Ruth Moore Professor of Biological Anthropology (*Head Tutor*)
Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies

Other Faculty Offering Instruction in Anthropology

Irven DeVore, Ruth Moore Research Professor of Biological Anthropology
Byron J. Good, Professor of Medical Anthropology (*Medical School*)
Sally F. Moore, Victor S. Thomas Research Professor of Anthropology

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.

Primarily for Undergraduates

***Anthropology 91r. Supervised Reading and Research**

Catalog Number: 2537

Richard W. Wrangham

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 Undergraduate Office, William



James 452), signed by the adviser under whom he or she wishes to study, and a proposed plan of study.

***Anthropology 92r. Research Methods in Museum Collections**

Catalog Number: 7712

Richard W. Wrangham

Half course (fall term; repeated spring term). Hours to be arranged.

Special study of selected Peabody Museum collections and/or archives, given on an individual basis, and directly supervised by a member of the faculty and a member of the Collections Management Staff. Will require a specific project involving a Museum collection, developed in consultation with the supervisors. Must be taken for a letter grade. Priority given to students in Anthropology and related departments. To enroll, a student *must submit a petition form* (available from the Undergraduate Office, William James 452), signed by both supervisors, as well as a proposed research agenda, during the term preceding the anticipated term of enrollment.

Note: Information sheets with Museum contacts available in William James 452.

***Anthropology 97x. Sophomore Tutorial in Archaeology**

Catalog Number: 0400

Eric Christopher Kansa

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

The sophomore tutorial provides a background in archaeological method and theory, particularly focusing on small-scale societies. Specific topics include the origin of anatomically modern humans, the peopling of the New World, and the nature of small-scale societies in both modern and ancient contexts. Weekly readings (drawn from the current journal literature), discussions, several short writing assignments.

Note: Required of all concentrators.

***Anthropology 97y. Sophomore Tutorial in Biological Anthropology**

Catalog Number: 3170

Richard W. Wrangham

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 97z. Sophomore Tutorial in Social Anthropology**

Catalog Number: 5832

Lucia Volk

Half course (spring term). Tu., at 1. EXAM GROUP: 15

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 98xa. Junior Tutorial in Archaeology**

Catalog Number: 2959

Eric Christopher Kansa

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

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” and 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

Eric Christopher Kansa

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 Undergraduate Office, William James 452) with a proposed course plan of study and the tutorial adviser’s signature.

Note: Required of candidates for honors in archaeology.

***Anthropology 98y. Junior Tutorial in Biological Anthropology**

Catalog Number: 3923

Richard W. Wrangham

Half course (fall term; repeated spring term). Hours to be arranged.

Individual tutorial with a member of the biological anthropology faculty for juniors who will be undertaking an honors thesis in senior year. To enroll, a student *must submit a petition form* (available from the Undergraduate Office, William James 452) with a proposed plan of study and the tutorial adviser’s signature.

***Anthropology 98z. Junior Tutorial in Social Anthropology**

Catalog Number: 4503

Richard W. Wrangham

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 99. Tutorial — Senior Year**

Catalog Number: 5830

Richard W. Wrangham

Full course. Hours to be arranged.

Research and writing of the Senior Thesis. Limited to honors candidates. Signature of the faculty adviser required.

Cross-listed Courses

***Afro-American Studies 97b (formerly Afro-American Studies 12). Topics in Afro-American History and Society: Seminar**

[Afro-American Studies 140. Syncretism: Seminar]

[Afro-American Studies 141 (formerly Anthropology 157). Afro-Atlantic Religions]

[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]

Biology 121a. Advanced Structure and Physiology of the Vertebrates

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

Foreign Cultures 34. Mesoamerican Civilizations

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

Foreign Cultures 74. Cultures of Southern Europe

[Religion 1001. Ethnographic Imaginations]

[Science B-27. Human Evolution]

Science B-29. Evolution of Human Nature

Science B-59. Genes and Human Diversity

Social Analysis 28. Culture, Illness, and Healing: A Cross-Cultural Comparison of Medicine in Society

[Social Analysis 36. Religion and Modernization: Cultural Revolutions and Secularism]

[Social Analysis 50. Urban Revolutions: Archaeology and the Investigation of Early States]

For Undergraduates and Graduates

Anthropology 100. Rediscovering Past Societies: A Survey of World Prehistory

Catalog Number: 7182

Eric Kansa

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

This course is a survey of human societies of the prehistoric world, from the origins of humanity millions of years ago to the rise and fall of the first civilizations. We will discuss current archaeological reconstructions of prehistory, as well as the methods that are used to form these interpretations. Topics include human evolution, the peopling of the New World, the origins of agriculture, and the ancient civilizations (e.g., the ancient Egyptians, the mound-building peoples



of North America, and the ancient Maya). Laboratory sections will give students the opportunity to examine and handle archaeological collections from the Peabody Museum.

Note: Open to freshmen.

Anthropology 101. Introduction to Archaeology

Catalog Number: 8727

Eric Kansa

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

This course is concerned with the actual practice of archaeology: How do archaeologists know where to dig? Why do we dig square holes? How do we analyze and understand what we find? These questions and others are discussed in a lecture/lab format that provides an overview of field, laboratory, and interpretive methodology. Among the topics covered are research design, site survey, mapping, sampling excavation strategy, stratigraphy, chronology, artifact classification and data processing. Archaeological method and theory are fully integrated in this course. Peabody Museum collections are used to provide hands-on experience with various methods of analysis.

Prerequisite: Anthropology 100 suggested but not required.

Anthropology 104. Language and Culture

Catalog Number: 5844

Steven C. Caton

Half course (fall term). Tu., Th., at 11 with graduate and undergraduate sections to be arranged. EXAM GROUP: 13

Examines the ways forms of speaking can constitute cultural life and vice versa. Though different approaches to this kind of study will be surveyed, an ethnographic one will be emphasized. A comprehensive overview of linguistic theories of structuralism and their criticism will form the basis on which to proceed to this ethnographic approach. Topics will include: the structuralisms of Ferdinand de Saussure, Roman Jakobson, and Edward Sapir; the Sapir-Whorf Relativity Hypothesis and its modern evocations; speech indexicality and pragmatics; performativity; Bakhtinian dialogicality; and poetry and poetics.

Note: No previous knowledge of linguistics or of anthropology is required. Graduate section optional.

Anthropology 105. Food and Culture

Catalog Number: 0206

James L. Watson

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

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 panic, exchanges and social boundaries, food symbolism, religion and food systems, food panics, the social construction of food, and the world standardization of food preferences. Examples are drawn from China, India, Latin America, Africa, Europe, the Pacific, and the United States.

Anthropology 110. Introduction to Social Anthropology

Catalog Number: 8296

Theodore C. Bestor (fall term) and Lucia Volk (spring term)



Half course (fall term; repeated spring term). Fall: M., W., F., at 12; Spring: M., W., F., at 11.

EXAM GROUP: Fall: 5; Spring: 4

An introductory exploration of anthropological approaches to society, culture, language, and history. Lectures, readings, and recent ethnographic films give an in-depth look at social and cultural diversity. Students are given the opportunity to grapple with the intellectual and ethical challenges that confront all anthropologists in making sense of human difference, experience, and complexity. From year to year, this basic course may be taught by different instructors, all of whom bring insights from their own ethnographic fieldwork in other societies and share their theoretical expertise in examining a wide range of topics, including kinship, social and political hierarchy, exchange, subsistence patterns, gender, language, ideology, religion, and global political economic systems.

Note: Open to freshmen.

Anthropology 111. Behavioral and Reproductive Endocrinology

Catalog Number: 2265

Peter T. Ellison

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

An introduction to the interaction between the endocrine system, behavior, and reproduction stressing primates and humans. General principles of endocrine physiology are presented first, including a survey of major hormonal, hormone production, receptor interactions and signal transduction, and feedback regulation. The second section of the course covers the relationship of the endocrine system to reproductive behavior, stress reactions, and cognition. The final section covers the role of the endocrine system in human reproductive ecology.

Note: This course is a prerequisite for Anthropology 118.

Prerequisite: Science B-29, Science B-17, Biology 1, Biology 2, or Anthropology 138.

Anthropology 114. Evolution of Human Sexuality: Research Seminar

Catalog Number: 8546 Enrollment: Limited to 10. Preference given to anthropology undergraduates.

Frank W. Marlowe

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

This course is an examination of human sexuality in evolutionary perspective. Topics may include sexual selection, mate preferences, mating systems, sex differences, and sexual orientation, among other things. Students collect original data and analyze them for their research projects, with feedback from the class.

Note: Fulfills the research seminar requirement for anthropology concentrators.

Prerequisite: Science B-29 or permission of instructor.

Anthropology 115. Primate Evolutionary Ecology

Catalog Number: 0571

Mark Leighton

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

A survey of interactions between primates and their environments in an evolutionary context. Lectures discuss the influence of competition, predation, and other ecological processes on primate morphological and behavioral adaptations, population distribution and abundance, and



coevolutionary relationships with other species in the community. Interspecific comparisons are developed by empirical and theoretical treatment of food resources and feeding patterns, ranging and intergroup spacing, mating systems and sociality, and community structure and niche relationships. Laboratory and field exercises teach some methods of ecological investigation using local vertebrates.

Prerequisite: An introductory course in Biology, or Science B-29, or permission of instructor.

***Anthropology 118. Endocrinology and Behavior: Research Seminar**

Catalog Number: 1437 Enrollment: Limited to 8. Preference given to anthropology graduate and undergraduate students.

Susan F. Lipson

Half course (spring term). M., W., at 11 with 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: Fulfills research seminar requirement for anthropology concentrators.

Prerequisite: Anthropology 111.

[Anthropology 119. Evolutionary Ecology of Environmental Management]

Catalog Number: 1877

Mark Leighton

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

Examination of evolutionary models of cooperation and collective action, applied to the global environmental problems requiring solutions during the 21st century. Topics include human warfare and competition for resources, conservation ecology, natural resource management, climate change and human population problems. Lectures will be supplemented by discussions and debates to foster critical analysis of arguments regarding human collective action and public policy.

Note: Expected to be given in 2002–03.

Anthropology 120. Anthropology, Cultural Studies, and Film

Catalog Number: 1522

Steven C. Caton

Half course (fall term). Lecture: W., 10–1; Lab: Tu., 1–4. EXAM GROUP: 3, 4, 5

This course 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 to be explored are: the culture industry, critical theory, the ethnographic gaze, media studies, modernity, nationalism and transnationalism.

Note: Open to non-majors. Graduate students may enroll and make arrangements for specialized readings and assignments.

[Anthropology 122. Japanese Culture and Society]

Catalog Number: 6564

Theodore C. Bestor

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



Course examines contemporary Japanese culture and society, drawing on the research findings of anthropologists, sociologists, and social historians. Topics covered in this year's course may include: the recent history of Japanese family organization; household organization and inheritance patterns; the effects of industrialization on Japanese "tradition"; Japanese "modernity" and popular culture; inter-ethnic relations and social hierarchies; globalism and cultural transformations; schooling and workforce socialization; consumerism and Japanese corporate culture; gender relations and the changing role of women; local politics and the pursuit of "cultural authenticity"; and Japanese culture as an economic and political force in 21st-century East Asia.

Note: Expected to be given in 2002–03. Graduate students may enroll and make arrangements for specialized readings and assignments.

Anthropology 123. Environment and Environmentalism: Anthropological Perspectives: Conference Course

Catalog Number: 0889 Enrollment: Limited to 25.

Pauline E. Peters

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

An anthropological exploration of current debates on environment and environmentalism. Through readings on a range of countries and peoples, considers the following themes: the ways in which different groups in different times and places produce cultural constructions of nature, landscape, wilderness, and environment; contestations over the use, knowledge, and meanings of natural resources; movements between the culturalization of nature and the naturalization of culture; environmentalism as discourse; environmental social movements and cults; landscape as commodity.

[Anthropology 127. Social Approaches in Archaeology]

Catalog Number: 4191

Yun Kuen Lee

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

This course surveys the use of archaeological data for the reconstruction of past socio-cultural organizations. One of the most important questions in archaeology is how people of the past related to each other. All societies comprise multi-faceted social, economic, and political organizations regulated by kinship, gender, ethnicity, faction, etc. The complex interaction of these groups is the dynamic force of societies. We are going to monitor the operation of these past organizations in relation to their levels of complexity, as well as their specific ecological, economic and historical contexts.

Note: Expected to be given in 2002–03. Given in alternate years.

[Anthropology 135. The Archaeology of the American Southwest]

Catalog Number: 8755

Steven A. LeBlanc

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

Considers the prehistory of the American Southwest from PaleoIndian times to European contact. Topics include the adoption of agriculture, the development and then collapse of social complexity, and how and why regional differences appeared. A basic familiarity with the artifacts—pottery, stone tools, etc.—will be developed, as well as a working knowledge of the



major sites in the region, such as Mesa Verde, Chaco Canyon, and Casas Grandes. We will read selected early ethnographic accounts of the people of the region so that we can consider the relationship of the prehistoric people to modern indigenous populations.

Note: Expected to be given in 2002–03. Given in alternate years. Open to Upper Division and Grad Students.

Anthropology 137. Human Behavioral Ecology

Catalog Number: 6675

Frank W. Marlowe

Half course (spring term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

The behavioral ecology of humans is examined across modes of subsistence and in relation to other species. Topics include life history, optimal foraging, parental care, mating systems, status, stratification, nepotism, cooperation, violence, ethnocentrism, morality, and cultural evolution.

Prerequisite: Science B-29 or permission of instructor.

Anthropology 138. The Behavioral Biology of Women

Catalog Number: 8721

Cheryl D. Knott

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

An exploration of female behavior from an evolutionary and biosocial perspective. Focuses on physiological, ecological, and social aspects of women's development from puberty, through reproductive processes such as pregnancy, birth, lactation, to menopause and aging. Also explores female life history strategies in a variety of cultural settings. Topics include cognitive and behavioral differences between men and women; violence against and by women; and women's reproductive health choices. Examples are drawn primarily from traditional and modern human societies; data from studies of nonhuman primates are also considered.

Anthropology 140. The Transition from Hunting-Gathering to Agriculture

Catalog Number: 1837

Ofer Bar-Yosef and Richard H. Meadow

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

Introduces and critically evaluates data and ideas concerning strategy changes during the transition from hunting and gathering to agriculture in different regions of the world. Each regional session includes a brief summary of prehistoric hunter-gatherers in the area, the transition to farming, horticultural, or pastoral communities, the domestication of plants and animals, and the major interpretations or explanations for the transition.

Anthropology 142. Human Skeletal Growth and Function

Catalog Number: 6233

Daniel E. Lieberman

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

This course provides an integrative overview of human musculo-skeletal anatomy, with a focus on aspects of developmental biology and functional morphology that are especially relevant to problems in human evolution. No prior knowledge of anatomy is required. Topics covered include: muscle and skeletal development, anatomy and histology; the biomechanics of muscles and bones; craniofacial growth and development; the functional morphology of chewing,



respiration, vocalization, locomotion, and other activities.

Prerequisite: Science B-27 recommended.

Anthropology 144. The Archaeology of Ancient China

Catalog Number: 4731

Yun Kuen Lee

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

Ancient China offers unique opportunities for the study of cultural and social evolution. It presents a long and uninterrupted continuum of development from the appearance of early humanity to the rise of a complex civilization. In addition, we have at our disposal an extensive body of archaeological data and textual material that are seldom available together in the other parts of the world. This course investigates the archaeology of ancient China from an anthropological perspective. Particular attention will be paid to how human groups adapted to natural and social environments.

Anthropology 146. Archaeological Laboratory Practicum

Catalog Number: 4063

Carole A. Mandryk

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

Students learn the basics of processing, cataloging and analyzing artifacts recovered from archaeological sites of the students' choosing.

Anthropology 148. Gifts and Goods: Anthropological Approaches to Political Economy

Catalog Number: 0535 Enrollment: Open only to upperclass and graduate students.

Stanley J. Tambiah

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

Critically examines a variety of theoretical frameworks or understanding so-called “economic facts” and their placement within larger social, political, and cultural contexts, and for understanding how the production, distribution, and consumption of economic goods and services relate to networks of social relations, structures of exchange, relations of power, and institutions of family, class, caste, etc. The course concludes with an examination of gifts/commodities in late capitalism, the possibilities of alternative development strategies in the post-colonial world, and the nature and consequences of globalization.

Anthropology 149. Primate Nutrition and the Evolution of the Human Diet: Research Seminar

Catalog Number: 6239 Enrollment: Limited to 12.

Cheryl D. Knott

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

An exploration of primate and human dietary adaptations, digestive physiology and feeding behavior. Using a nutritional, physiological and ecological framework, topics will include: nutritional requirements, optimal foraging in primates, maternal and infant nutrition, the nature of early hominid diets, the role of hunting and carnivory in human evolution, the impact of technology on dietary composition, the nutritional impact of agriculture, and modern human diets. Projects may include laboratory analyses of plant and animal foods.



Anthropology 150. Environmental Archaeology

Catalog Number: 3504

Jennifer R. Smith

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

This course will examine the history of the relationship between humans and the landscapes and ecosystems which they inhabit. Emphasis is placed on both the increasingly complex impact of humans on the environment, and the role that climate change has played in human biological and cultural evolution. Methods of environmental reconstruction will be discussed, as will critical innovations and events in human/environment interaction.

Anthropology 151. North American Prehistory

Catalog Number: 1421

Carole A. Mandryk

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

An introduction to the archaeology and cultural developments of North America north of Mexico, from first settlement to the arrival of Europeans. Focuses on human adaptation and interaction with the environment, subsistence, settlement patterns, technology, gender and ideology. Reviews major theoretical transformations in North American archaeology; explores some of the major methodological and theoretical problems of selected areas and time periods; examines the archaeological record in specific regions; and examines general trends in cultural evolution on a continental scale.

[Anthropology 152. Mesopotamia — Egypt — The Indus Valley]

Catalog Number: 8398

C. C. Lamberg-Karlovsky

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

This course will examine the economic and political interaction that brought the Bronze Age Civilizations of the ancient Near East into contact. The Mesopotamian, the Gulf, Central Asian, Iranian Plateau, Levant, Egypt, and the Indus Valley will all be considered in relation to core-periphery concepts.

Note: Expected to be given in 2002–03.

Anthropology 153. Nationalism and Bureaucracy

Catalog Number: 0291 Enrollment: Limited to 20.

Michael Herzfeld

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

This course explores the ideological and practical foundations and effects of nationalism. Particular attention is 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. The course, comparative in scope, covers several different countries and systems, and is designed to highlight the contribution of ethnography to the analysis of national bureaucracies.

***Anthropology 158. The Fossil Record and Primate Evolution: Research Seminar**

Catalog Number: 3509 Enrollment: Limited to 8.

John C. Barry



Half course (fall term). Hours to be arranged. EXAM GROUP: 15, 16

An introduction to the analysis of fossils and interpretation of the fossil record, including that of primates. Reading and discussion topics include: reconstructing the behavior of extinct species; limitations of the fossil record; origin and extinction of species; and the role of climate in shaping species' histories. Students will have individual or group research projects using, among other possibilities, vertebrate fossils from Pakistan.

Prerequisite: Science B-27 or permission of instructor.

Anthropology 159. Museums and Representations: Seminar

Catalog Number: 4185 Enrollment: Limited to 12.

Rubie S. Watson

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

Treats the ethnographic museum as a focus for historical and cultural study. By analyzing one early Peabody Museum collection (containing some of the oldest examples of 18th- and 19th-century Native American, Pacific Island, and African artifacts and art), students will consider the different ways in which material culture is collected, housed, and exhibited. Readings and discussions will include issues of art/artifact distinctions, ownership and display, history of collecting and display in anthropology. Students will be asked to work with objects in the Peabody Museum's collections and archival documentation.

Anthropology 160. Historical Archaeology

Catalog Number: 7044

Steven R. Pendery

Half course (spring term). Th., 1–4. EXAM GROUP: 15, 16, 17

This course is a survey of historical archaeology with a focus on the archaeology of greater Boston. Topics to be covered include the history and theory of historical archaeology, the natural history and prehistory of the greater Boston area, the archaeology of early European settlements, Colonial and Revolutionary War sites, and the nineteenth century and the rise of industrialism. Students will gain hands-on experience by working with artifacts from the Longfellow National Historic Site.

Anthropology 162. Geographic Information Systems (GIS) for Anthropologists

Catalog Number: 9087

Jennifer R. Smith

Half course (spring term). Tu., 1–3 plus an hour of lab. EXAM GROUP: 15, 16

This course introduces fundamental principles of geographic information systems as they apply to anthropology and archaeology. Students will learn how to use GIS to manage and analyze spatial data, while solving anthropologically relevant problems such as determining locations of specific habitats, identifying site distribution patterns, and managing extensive archaeological data sets. Principles of cartography as well as additional useful computer software packages will be introduced.

[*Anthropology 163. Molecular Evolution of the Primates]

Catalog Number: 3359

Maryellen Ruvolo

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



Introduction to the primates, emphasizing their molecular phylogenetic relationships 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.

Note: Expected to be given in 2002–03.

Prerequisite: Anthropology 103 or Science B-59.

Anthropology 166. Archaeological Science

Catalog Number: 2013

Carole A. Mandryk

Half course (spring term). M., 7–10 p.m. EXAM GROUP: 18

Pressing issues in archaeology as an anthropological science. Stresses the natural science and engineering methods archaeologists use to tackle them. Reconstructing time, space, and human ecologies provides one focus; materials technologies that transform natural materials to material culture provide another. Topics include ¹⁴C dating, ice core and palynological analysis, stable isotope chemistry of palaeodietary 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. Call 253-1375 for more information.

Prerequisite: One year of college-level chemistry or physics.

Anthropology 168. Anthropology at Home: Doing Fieldwork in Familiar Places

Catalog Number: 2145 Enrollment: Undergraduates only.

Mary M. Steedly

Half course (fall term). M., 1–3.

Picture yourself set down on a tropical island, with all your gear. So begins one of the classic accounts of ethnographic fieldwork, Malinowski's *Argonauts of the Western Pacific*. Generations of anthropologists measured themselves against this standard, but today its relevance has come under scrutiny. What are the advantages and disadvantages of conducting fieldwork "at home" instead? Intended primarily for (but not limited to) juniors preparing to do thesis fieldwork, this course explores the problems of and prospects for doing fieldwork in familiar places. The final project will be a plan of research for a summer project or other similar undertaking.

Anthropology 184. Ethnicity in the Americas: The Indian Question

Catalog Number: 6872

David H. P. Maybury-Lewis

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

Discusses, from the point of view of political anthropology, the historical developments and regional circumstances that have influenced relations between indigenous peoples and others in the Americas. Considers indigenous efforts to resist assimilation and contemporary indigenous struggles for limited autonomy in Mexico, Peru, Brazil, and the United States. Concludes by showing how these issues are affected by the national agenda of American states and how the



indigenous experience in the Americas relates to the problems and prospects of multiethnic societies worldwide.

[Anthropology 186. Ceramics and Exchange in Mesoamerica]

Catalog Number: 3047

William L. Fash

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

Exchange systems in pre-Hispanic Mesoamerica were inextricably linked with the evolution of complex society on the local level, and the development of larger sociopolitical units for the cultural area as a whole. We will examine how Mesoamerican ceramics have been collected and analyzed to address issues of exchange, both within and between regions, from the Early Preclassic to the present day. The course will include analysis of some of the Peabody Museum collections from various parts of ancient Mesoamerica.

Note: Expected to be given in 2002–03.

[Anthropology 190. Quantitative Methods In Anthropology]

Catalog Number: 3491

Yun Kuen Lee

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

Examines the application of quantitative methods in Anthropology. Emphasizes the understanding of statistical inferences from intuitive reasoning and getting meaningful answers to anthropological problems. Weekly exercises are designed to give students hands-on experience on the application of quantitative methods in Anthropology by using packaged statistical programs on the computer. Students will have the chance to experiment systematically with data in order to estimate probabilities and make statistical inferences, to extract data structures by using univariate and bivariate methods in anthropological research.

Note: Expected to be given in 2002–03. Open to both graduates and undergraduates.

Prerequisite: Undergraduates must have completed the quantitative reasoning requirement.

[*Anthropology 194r. Topics in Primate and Human Evolution]

Catalog Number: 2462

David Pilbeam

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

A lecture-seminar-laboratory course on current issues in the fields of paleoanthropology and evolutionary primatology.

Note: Expected to be given in 2002–03. Fulfills the research seminar requirement for anthropology concentrators.

Prerequisite: Anthropology 117 or equivalent.

Anthropology 198. Violence and the Media

Catalog Number: 7864 Enrollment: Limited to 20.

Kay B. Warren

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

The way diverse media—testimonies, TV, truth commissions, the internet—portray violent conflict. At issue are the representation of pain and social suffering and the political uses of media to justify violence. The goals of this course are to gain insight into violent conflicts—



Vietnam, Northern Ireland, Latin American counterinsurgency wars, racial clashes in the US—
and to develop interpretive tools for media analysis.

Note: Open only to upperclass students. Preference given to Anthropology students.

Primarily for Graduates

[*Anthropology 200 (formerly *Anthropology 200a). Osteoarchaeology Lab]

Catalog Number: 0363 Enrollment: Limited to 12.

Richard H. Meadow

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

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 2002–03. Given in alternate years. Open to qualified undergraduates. Fulfills osteology requirement for archaeology graduate students.

Anthropology 201r. Topics in the Anthropology of Gender

Catalog Number: 8452

Mary M. Steedly

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

Examines current issues in feminist theory and the anthropological study of gender. Topics change from year to year. In the past, topics have included gender and: citizenship, political economy, subjectivity, and narrative.

***Anthropology 203. Human Genetic Diversity: Seminar**

Catalog Number: 0775 Enrollment: Strictly limited to biological anthropology graduate students.

Maryellen Ruvolo

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

Restricted to biological anthropology graduate students preparing for general exams. To be taken concurrently with Science B-59 lectures, with additional weekly meeting to be arranged.

Note: In addition to weekly afternoon seminar meetings, students are expected to attend the regular fall term lectures of Anthropology 103 (Tu., Th., 10–11:30).

***Anthropology 205a. History and Theory of Social Anthropology: Proseminar**

Catalog Number: 1752

Mary M. Steedly

Half course (fall term). W., 3–6. EXAM GROUP: 8, 9

A critical review of the major theoretical approaches in social anthropology.

Note: Required of candidates for the Ph.D. in Social Anthropology. Limited to doctoral candidates. Not open to undergraduates.

Anthropology 205b. History and Theory of Social Anthropology: Proseminar

Catalog Number: 7971

Kay B. Warren

Half course (spring term). W., 3–6. EXAM GROUP: 8, 9

Continuation of Anthropology 205a. Limited to doctoral candidates. Not open to undergraduates.



[Anthropology 206r. Topics in Paleolithic Archaeology and Human Evolution]

Catalog Number: 8630

Ofer Bar-Yosef and David Pilbeam

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

Presentations and discussions of selected topics in Paleolithic archaeology and human evolution in the Old World. Among the main issues: the “out of Africa” by *Homo erectus*, the emergence and dispersals of modern humans, the colonization of Eurasia, the survival strategies of the Neanderthals and their demise, the use of radiometric techniques, the transition to Upper Paleolithic cultural manifestations, and the foraging strategies of past hunter-gatherers.

Note: Expected to be given in 2002–03.

***Anthropology 207 (formerly Anthropology 207a). Archaeological Method and Theory: Seminar**

Catalog Number: 4634

Steven A. LeBlanc

Half course (spring term). Th., 1–4. EXAM GROUP: 15, 16, 17

Examines the historical development and philosophical basis of archaeological method and theory. Discussions focus on critical evaluation of interpretive models, including culture history, positivism, hermeneutics and critical theory. Special attention given to current debates and controversies, including the processualist-postprocessualist debate and the future of archaeology in a changing social and political climate.

Note: Required of first-year students in Archaeology; open to other graduate students in the department.

[Anthropology 210. Anthropology of Events]

Catalog Number: 3939

Steven C. Caton

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

This seminar investigates the significance of events in everyday life. What are events? Why are they important? How can anthropology represent or narrativize them? Readings are drawn from anthropology, history, philosophy, and film theory.

Note: Expected to be given in 2002–03.

Anthropology 211r. Issues in Mesoamerican Archaeology: Seminar

Catalog Number: 7276

David S. Stuart

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

A consideration of the reconstruction of pre-Hispanic societies in Mexico, Guatemala, and lower Central America, with particular emphasis on the development of political organization and its maintenance through the manipulation of symbols in ritual and art and the control of economic processes.

Anthropology 212. Current Topics in Human Evolutionary Genetics

Catalog Number: 1175

Maryellen Ruvolo

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8



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: Anthropology 103.

[Anthropology 213. Theories of Discourse in Middle Eastern Ethnography]

Catalog Number: 8989

Steven C. Caton

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

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 2002–03.

[Anthropology 217. Human Evolution Seminar]

Catalog Number: 6884 Enrollment: Limited to graduate students in Biological Anthropology.

David Pilbeam

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

Reading and discussion of current research in human evolution, taken with lectures, labs and tests of Science B-27.

Note: Expected to be given in 2002–03. Required of entering graduate students in Biological Anthropology.

[Anthropology 221. The Anthropology of Knowledge: Seminar]

Catalog Number: 7070

Michael Herzfeld

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

An exploration and comparative analysis of local epistemologies from craft apprentices and seasoned skilled manual workers to schoolchildren and laboratory scientists. Particular attention will be paid to the embodiment, inculcation, and transmission of practical knowledge, and to the relationship between cosmology, social context, and pragmatic understanding.

Note: Expected to be given in 2002–03.

***Anthropology 226t. Research Design**

Catalog Number: 9193 Enrollment: Limited to 12.

Theodore C. Bestor

Half course (spring term). F., 1–4. EXAM GROUP: 6, 7, 8

Seminar critiques 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: Open only to doctoral candidates, with preference given to advanced students in Anthropology.



Anthropology 228r (formerly Anthropology 228). Biology of Aggression

Catalog Number: 6107

Richard W. Wrangham

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

Discussion will focus on primate inter-group aggression, with particular attention to humans and chimpanzees. The course will be based around a behavioral-ecological perspective but will include readings from various disciplines, including behavioral ecology, behavioral genetics, social psychology, developmental psychology, neurobiology, social anthropology, political science and international relations.

Anthropology 229. Behavioral Biology Seminar

Catalog Number: 3777

Richard W. Wrangham and Frank W. Marlowe

Half course (spring term). M., 3:30–5:30. EXAM GROUP: 8, 9

Reading and discussion of current research in behavioral biology of primates (including humans) in parallel with Science B-29.

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 235ar. Laboratory Methods in Primate and Human Nutrition I

Catalog Number: 2187

Richard W. Wrangham

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 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 237br. Advanced Laboratory Methods in Endocrinology II**

Catalog Number: 5345

Susan F. Lipson

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

Note: Intended for students engaged in laboratory research.

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 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 245. Culture, Mental Illness and the Body]

Catalog Number: 6013

Byron J. Good (Medical School)

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

Briefly reviews the figure of mental illness in Western thought and the social sciences, then focuses on themes in cross-cultural studies of psychopathology: culture and diagnosis; cultural influences on dissociation, depression, and schizophrenia; and madness in non-Euroamerican healing systems and transnational aspects of psychiatry. Particular emphasis will be placed on interviewing methods appropriate for research in cultural psychology.

Note: Expected to be given in 2002–03.

Anthropology 246. Maincurrents in Anthropological Thought

Catalog Number: 9980

Nur Yalman

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

Developments in social theory in the British, French, German, and American traditions. Positivism, Marxism, Structuralism, Post-modernism reconsidered. Comparisons with Asian traditions of just societies.

Note: Limited to graduate students.

Anthropology 250. Local Biologies: Perspectives on the Interaction Between Culture and Biology

Catalog Number: 8267

Arthur Kleinman

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

Reviews the variety of anthropological and other perspectives on the interactions between culture and biology. Topics include mind-brain-society interaction in pain; comparative cross-cultural studies of menopause; the sociosomatics of depression; the new genetics and eugenics; research on stress and trauma; indigenous non-western constructions on the body; history of psychosomatic research.

Note: Open to advanced undergraduates with permission of the instructor.

[Anthropology 253. Theory in Medical and Psychiatric Anthropology: Culture, Science, and the Body]

Catalog Number: 3440

Byron J. Good (Medical School)

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

Reviews theoretical debates in medical and psychiatric anthropology, outlining a position at the interface of interpretive and critical perspectives. Special attention given to cultural studies of the



biosciences and biomedicine and to recent critical and phenomenological accounts of the body.

Note: Expected to be given in 2002–03.

Anthropology 257g. Anthropological Interviewing

Catalog Number: 5768 Enrollment: Limited to 15.

Byron J. Good (Medical School)

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Will provide theoretical grounding and practical supervision in ethnographic interviewing. Will address life history and interview design, developing and managing intimacy, recognizing transference and countertransference, recording and transcribing data, and textual analysis.

[Anthropology 259. Culture, Politics, and the Media]

Catalog Number: 8797

Kay B. Warren

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

This seminar examines the shifting meanings of “the political” across the post-Cold War transition. Topics include (a) realist representation in mass media, film, museums, popular culture, testimonio, and ethnography and (b) political imaginaries of the violent vs. democratic state. Issues raised by repoliticized and depoliticized situations in Latin America and beyond.

Note: Expected to be given in 2002–03. Limited to graduate students. No auditors.

Anthropology 260. Ethnography of Latin America: Views Across The Pacific Rim

Catalog Number: 8928

Kay B. Warren

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

A survey of ethnographic experiments to highlight representational dilemmas in research and writing on Latin America. Theoretical and methodological issues raised by post-Marxism, postmodernism, and cultural studies debates in the U.S. and Latin America; indigenous anthropology; transculturalism and borderlands; and the use and abuse of ethnographic classics.

Note: Open to junior and senior Anthropology concentrators with a background in Latin America. No auditors.

[Anthropology 262. Kinship Practice]

Catalog Number: 5896

James L. Watson

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

Research seminar focusing on the practice of kinship in everyday life, with emphasis on methodology and fieldwork. Students write papers on topics relating to their future research. Seminar discussions include: single-parenthood, family-limitation campaigns, property transfer and heirship, marriage and diaspora formation, global culture and the practice of family life.

Note: Expected to be given in 2003–04. Limited to graduate students.

Anthropology 263. Transnationalism, Globalism, and Local Culture

Catalog Number: 5127

James L. Watson

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



Examines recent theories of transnationalism and globalism, with emphasis on popular culture (music, TV, style, entertainment, food systems, etc.). Special attention is devoted to debates regarding cultural imperialism and the effects of transnational corporations on “local” cultures. Students are expected to work on individual projects, participate in joint discussions, and help develop new methodologies for the analysis of transnational phenomena.

Anthropology 264 (formerly Social Analysis 48). Anthropology and the Uses of History

Catalog Number: 9103

Michael Herzfeld

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

Examines how people’s ideas about history are created and used for various political and social ends, paying particular attention to the role of nationalism and to the kinds of history people create in opposition to state power. A central concern is to emphasize the existence of local points of view that ordinarily escape the attention of “official” historians. Gender, political affiliation, and social position are examined for their effect on people’s interpretations and use of the past.

Note: May count for graduate ethnography.

[Anthropology 266ar. Archaeological Science]

Catalog Number: 5945

C. C. Lamberg-Karlovsky

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

Introduction to laboratory techniques and analytical processes used in the study of bone from archaeological sites. Includes macroscopic and microscopic approaches to the identification and characterization of non-human animal hard tissue.

Note: Expected to be given in 2002–03. CMRAE course topics change each year. Sessions held in CMRAE Graduate Lab, MIT 20B-012. Course continues spring term as Anthropology 266br.

[Anthropology 266br. Materials in Ancient Societies: Stone]

Catalog Number: 7163

C. C. Lamberg-Karlovsky

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

The scientific analysis of stone used for tools, luxury goods, and construction. Laboratory techniques for identifying rock types and determining rock properties, tool manufacturing sequences. Investigation of prehistoric technologies and economies based on stone.

Note: Expected to be given in 2002–03.

Anthropology 267r. Current Issues in Reproductive Ecology

Catalog Number: 3717

Peter T. Ellison and Cheryl D. Knott

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

An exploration of current research in human and primate reproductive ecology, including endocrinology and its relationship to energy metabolism, development, male reproductive effort, seasonality, stress, cognition, and reproductive and parental behavior throughout the lifecourse.



[Anthropology 268. Ethnography and Personhood]

Catalog Number: 3560

Michael Herzfeld

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

An intensive, critical review of major ethnographic works, including some that engage biography and autobiography, intended to explore the relationship between society and personhood cross-culturally; to examine ethnographic writing and its relation to other genres; and to trace a history of anthropological theory through changes in descriptive and analytic practice.

Note: Expected to be given in 2002–03.

Anthropology 269v. At the Crossroads of East and West: Earliest Prehistory of Central Eurasia

Catalog Number: 6679

Ofer Bar-Yosef

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

Prehistory of Central Eurasia from the Lower Paleolithic to the Mesolithic. Covers material from the Russian Plain, Central Asia, and South Siberia; formation of East-West cultural opposition, fate of the Neanderthals, and other issues.

[Anthropology 274. Sovereignty, Ethnicity, and Pluralism]

Catalog Number: 0688

Nur Yalman

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

Examines the political dimensions of cultural pluralism: the questions of legitimacy, nation building, autonomy, and revolution are considered. Western theory and Asian experience: the use of myth, history, and religion with special reference to South and West Asia (other Asian regions may be included).

Note: Expected to be given in 2002–03.

Anthropology 275. Gender Issues in Biological Anthropology

Catalog Number: 3764

Cheryl D. Knott

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

An examination of the role and influence of gender in studies of primatology, human behavioral ecology and human evolution. Topics include aggression, sexual coercion, the evolution of patriarchy, sex differences, and hormonal influences on behavior.

[Anthropology 277. Development Dilemmas]

Catalog Number: 8724

Pauline E. Peters

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

Examines development and its dilemmas; discusses theories and practices of development and critical positions of under-development, dominating knowledge, and anti-development; explores approaches of sustainable, participatory, and green development, and examples of resistance and reappropriation of development. Throughout, the emphasis is on the cultural politics of



development encounters.

Note: Expected to be given in 2002–03.

Anthropology 278 (formerly Anthropology 183). The Charisma of Saints, and the Cults of Relics, Amulets, Images, and Shrines

Catalog Number: 3340

Stanley J. Tambiah

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

Examination of some Christian, Buddhist, and Islamic traditions with regard to their conceptions of sainthood, and of the above-mentioned cults associated with saints, both living and dead.

Comparison focuses on both convergences and differences.

Note: Offered jointly with the Divinity School as 3222.

Anthropology 287. Trade and Production in the Bronze Age

Catalog Number: 1577

C. C. Lamberg-Karlovsky and Maurizio Tosi

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

The nature of trade and the production of commodities will be examined in specific core areas (Mesopotamia, The Indus Valley, Central Asia) as well as between these core regions and adjacent peripheries, i.e. The Gulf, Iranian Plateau).

***Anthropology 288r. Zooarchaeology: Seminar**

Catalog Number: 5453

Richard H. Meadow

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

Topics relating to the analysis and interpretation of faunal remains from archaeological sites discussed. The domains of taphonomy, assemblage characterization, quantification, environmental and dietary reconstruction, and human/nonhuman animal interaction considered using case studies from archaeology and anthropology, paleontology, and zoology.

Note: Does not fulfill osteology requirement for Archaeology graduate students.

Anthropology 289. Culture and Violence

Catalog Number: 2538

Kay B. Warren

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

The anthropology of violence and the ethnographic representation of militant ethnic nationalism, communal violence, organized crime, state terrorism, death squads, and epistemic and structural violence. Comparative consideration of human rights, truth commissions, and peace processes.

[Anthropology 290. Other Others: New Ethnographic Orientations]

Catalog Number: 1747

Mary M. Steedly

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

In its early years, anthropology was defined as a discipline by its focus on isolated or primitive societies. Lately anthropologists have taken a turn toward other forms of “otherness.” This course examines the variety of new ethnographic orientations through which anthropologists are



moving beyond the primitive.

Note: Expected to be given in 2002–03.

***Anthropology 295ar. Laboratory Methods in Evolutionary Genetics**

Catalog Number: 7934 Enrollment: Limited to graduate students and undergraduates conducting senior thesis research.

Maryellen Ruvolo

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

***Anthropology 295br. Laboratory Methods in Evolutionary Genetics**

Catalog Number: 6468 Enrollment: Limited to graduate students and undergraduates conducting senior thesis research.

Maryellen Ruvolo

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

Anthropology 296r. Chinese Social Anthropology: Seminar

Catalog Number: 4633 Enrollment: Limited to graduate students.

James L. Watson

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

Examines current developments in the social anthropology of Chinese society, with emphasis on popular culture and historical ethnography. Each year a general topic is chosen as the subject of joint research. 2001 is “Recent Ethnographies and New Approaches to Chinese Culture.”

***Anthropology 298 (formerly Anthropology 172). Sociocultural Space and Time: Seminar**

Catalog Number: 6527

Engseng Ho

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Social theory since Durkheim and Mauss has explicitly engaged the dimensions of space and time in confronting the diversity of sociocultural forms. We will begin with the classical sociological impetus which animated interest in the subject, then move on to discrete topical concerns such as landscape, place, travel, built form, memory, genealogy, industrialization, sacrality. The course will end with a consideration of recent works on the cultural politics of space and time. Presentation and research paper required.

Note: Open to graduate students only.

Graduate Courses of Reading and Research

***Anthropology 300. Reading Course**

Catalog Number: 3454

Daniel Lieberman 3980 and 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 301. Reading for General Examination**

Catalog Number: 5689

Members of the Department



Individual reading in preparation for the General Examination for the Ph.D. degree.

Note: Restricted to candidates for the Ph.D. degree and ordinarily to those who have completed at least one year in residence.

***Anthropology 302. Current Issues in Biological Anthropology**

Catalog Number: 9373

Daniel Lieberman, David Pilbeam 7224 (on leave 2001-02), Daniel E. Lieberman 3980, Richard W. Wrangham 2349, and members of the Department

Half course (fall term; repeated spring term). Tu., 12–1:30.

Weekly seminars in biological anthropology.

***Anthropology 303. Readings on Southeast Asia**

Catalog Number: 7935

Stanley J. Tambiah 4692

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

***Anthropology 311. Methods and Theory in Archaeology**

Catalog Number: 5440

William L. Fash 1512, Ofer Bar-Yosef 1887 (on leave spring term), C. C. Lamberg-Karlovsky 2387, Carole A. Mandryk 1037, and Richard H. Meadow 1572

***Anthropology 320. Advanced Physical Anthropology: Laboratory and Theses**

Catalog Number: 2092

John C. Barry 1892, Irvén DeVore 1041 (on leave spring term), Peter T. Ellison 7413, Cheryl D. Knott 3717 (on leave fall term), Daniel Lieberman 3980, Frank W. Marlowe 757, David Pilbeam 7224, Maryellen Ruvolo 2512, and Richard W. Wrangham 2349

***Anthropology 323. Old World Archaeology (Europe, Asia, and Africa)**

Catalog Number: 3463

Ofer Bar-Yosef 1887 (on leave spring term), C. C. Lamberg-Karlovsky 2387, and Richard H. Meadow 1572

***Anthropology 324. Asiatic Archaeology and Ethnography**

Catalog Number: 5398

C. C. Lamberg-Karlovsky 2387, Lawrence E. Stager 1468, Stanley J. Tambiah 4692, and Nur Yalman 3780

***Anthropology 327. Scientific Archaeology**

Catalog Number: 0284

Richard H. Meadow 1572

***Anthropology 329. Archaeology and Ethnography of the Near and Middle East**

Catalog Number: 3787

Ofer Bar-Yosef 1887 (on leave spring term), C. C. Lamberg-Karlovsky 2387, and Nur Yalman 3780



***Anthropology 330. Supervised Field Work in Anthropology**

Catalog Number: 5683

Members of the Department

Half course (fall term; repeated spring term). Lectures, conferences, field and laboratory work. Daily, at the pleasure of the instructor.

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.

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 340. Reading and Research**

Catalog Number: 6699

David L. Carrasco 4213, Steven C. Caton 2307, Peter T. Ellison 7413, Byron J. Good (Medical School) 7648, Michael Herzfeld 3122 (on leave spring term), Engseng Ho 3094, Arthur Kleinman 7473, Cheryl D. Knott 3717, C. C. Lamberg-Karlovsky 2387, Daniel E. Lieberman 3980, Frank W. Marlowe 757, J. Lorand Matory 3098 (on leave spring term), David H. P. Maybury-Lewis 2391 (on leave fall term), Richard H. Meadow 1572, Sally F. Moore 7225, Pauline E. Peters 2911, David Pilbeam 7224 (on leave 2001-02), Maryellen Ruvolo 2512, Mary M. Steedly 2783, David S. Stuart 3559, Stanley J. Tambiah 4692, Kay B. Warren 2388 (on leave 2002-2003), James L. Watson 2172, Rubie S. Watson 3326, Richard W. Wrangham 2349, and Nur Yalman 3780

***Anthropology 351. Direction of Doctoral Dissertations**

Catalog Number: 1864

Members of the Department

Note: Consult the appropriate member of the Department.

***Anthropology 352. Dissertation Writing in Archaeology: Seminar**

Catalog Number: 8373

Richard H. Meadow 1572, Carole A. Mandryk 1037 and members of the Department

For Archaeology graduate students writing their dissertations. Students may present and discuss sections of their work in a group setting guided by a member of the faculty.

Applied Mathematics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Division of Engineering and Applied Sciences Offering Instruction in Applied Mathematics

Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics (*Director of Undergraduate Studies*)

William H. Bossert, David B. Arnold, Jr. Professor of Science

Michael P. Brenner, Gordon McKay Professor of Applied Mathematics and Applied Physics

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science (*on leave fall term*)

Daniel S. Fisher, Professor of Physics and Professor of Applied Physics

Navin Khaneja, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

Dionisios Margetis, Lecturer on Applied Mathematics

Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences and Professor of Physics (*Dean of the Division of Engineering and Applied Sciences*)

James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics

Allan R. Robinson, Gordon McKay Research Professor of Geophysical Fluid Dynamics (*on leave 2001-02*)

Irvin C. Schick, Lecturer on Engineering Sciences

Rocco A. Servedio, Lecturer on Applied Mathematics

Howard A. Stone, Harvard College Professor and Gordon McKay Professor of Chemical Engineering and Applied Mechanics

Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)

Other Faculty Offering Instruction in Applied Mathematics

Jeremy Bloxham, Harvard College Professor and Professor of Geophysics

The Division of Engineering and Applied Sciences offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended curricula may be obtained from the Academic Office, Pierce Hall 110a. Division faculty also offer several courses in the section entitled General Education Electives.

For information concerning the concentration in Applied Mathematics please consult the Director of Undergraduate Studies or the Academic Office, Division of Engineering and Applied Sciences, Pierce Hall 110a. 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

Jeremy Bloxham and Anthony Harkin



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

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.

Note: May not be taken for credit by students who have passed Mathematics 21a.

Prerequisite: Mathematics 1b or equivalent.

Applied Mathematics 21b. Mathematical Methods in the Sciences

Catalog Number: 5074

Jeremy Bloxham and Anthony A. Harkin

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

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.

Note: May not be taken for credit by students who have passed Mathematics 21b.

Prerequisite: Applied Mathematics 21a or equivalent.

***Applied Mathematics 91r. Supervised Reading and Research**

Catalog Number: 7607

Donald G. M. Anderson

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 pass/fail 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 from the Academic Office, Pierce Hall 110a. Applicants 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 assign 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

Donald G. M. Anderson

Half course (fall term; repeated spring term). Hours to be arranged.

Provides an opportunity for students to engage in preparatory research and writing of a senior thesis. Graded on a satisfactory/unsatisfactory basis 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. Students should consult their advisers and concentration literature for further information and guidance.



For Undergraduates and Graduates

Applied Mathematics 105a. Complex and Fourier Analysis

Catalog Number: 7732

Dionisios Margetis

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

Howard A. Stone

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

Irvin C. Schick

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

Introduction to abstract algebra and its applications. Topics covered include sets, subsets, and partitions; mappings, operations, and equivalence relations; groups, rings, and fields; counting and number systems; and polynomials. Though the primary aim of the course is to establish the mathematical formalism and conceptual apparatus necessary for some future mathematics and engineering courses, examples will be given from applications such as finite automata, encryption, computer coding, and modular arithmetic.

Applied Mathematics 107. Graph Theory and Combinatorics

Catalog Number: 6411

Rocco A. Servedio

Half course (spring term). Tu., Th., 10–11:30. 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



Donald G. M. Anderson

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

Elementary numerical methods and their computer implementation: linear and nonlinear equations; interpolation, differentiation and quadrature; ordinary differential equation initial and boundary value problems.

Note: Expected to be given in 2002–03. Offered in alternate years.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b. Ability to program in some high-level computer language like Fortran.

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: Expected to be omitted in 2002–03. Offered in alternate years.

Prerequisite: Applied Mathematics 21b, or Mathematics 21b, or equivalent.

Applied Mathematics 147. Non-linear Dynamical Systems

Catalog Number: 7708

Daniel S. Fisher

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

An introduction to non-linear dynamical phenomena focussing on the behavior of systems described by ordinary differential equations such as oscillations, bifurcations and chaos.

Approximations by maps, multiple-scale methods, and other techniques will be introduced. Some stochastic processes will also be studied. Applications will be made to physical and biological systems.

Prerequisite: Mathematics 21a and 21b, or Applied Mathematics 21a and 21b.

Primarily for Graduates

Applied Mathematics 201. Complex Function Theory with Applications

Catalog Number: 3241

Michael P. Brenner

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

First half: complex function theory: foundations, multiple-valued functions, analytic continuation, contour integration, conformal mapping. Second half: asymptotic methods: asymptotic expansions, method of steepest descent, approximate solutions of nonlinear differential equations, method of multiple scales.

Prerequisite: Applied Mathematics 105a, b or equivalent.

[Applied Mathematics 202. Partial Differential and Integral Equations]

Catalog Number: 6559

Donald G. M. Anderson

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 and integral equations, and related topics: eigenfunction expansions, Green functions, variational calculus, transform techniques, perturbation methods, characteristics.

Note: Expected to be given in 2002–03. Offered in alternate years.

Prerequisite: Applied Mathematics 105a and 105b, or equivalent.

Applied Mathematics 203. Topics in Applied Mathematics

Catalog Number: 6336

Tai T. Wu

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Selected advanced mathematical methods. Topics vary from year to year. Examples are asymptotic analysis, WKB theory, multiscale analysis, solitons, singular integral equations, Wiener-Hopf theory.

Prerequisite: Applied Mathematics 201 or equivalent.

[Applied Mathematics 205. Practical Scientific Computing]

Catalog Number: 1370

William H. Bossert

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

Computational methods at a sophisticated analytic level. Practical exercises emphasized. Linear algebra; polynomial and rational function extrapolation; Chebyshev methods; special functions; nonlinear root finding; one- and multidimensional extremization; eigensystems; Fourier transform methods; linear and nonlinear model fitting; adaptive methods for differential equations; stochastic methods for integration and optimization of multidimensional functions.

Note: Expected to be given in 2002–03.

Prerequisite: Mathematics at the level of Applied Mathematics 105b. A previous course in computing is not required but ability to program in Fortran or C will be useful.

[Applied Mathematics 210. Elementary Functional Analysis]

Catalog Number: 2781

Donald G. M. Anderson

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An introduction to functional analysis and its applications: metric, Banach and Hilbert spaces; linear operators, spectral theory; differentiation and integration.

Note: Expected to be given in 2002–03. Offered in alternate years.

Prerequisite: Applied Mathematics 105a and 105b; and Applied Mathematics 120 or Mathematics 121, or equivalent.

Applied Mathematics 211. Introduction to Numerical Mathematics

Catalog Number: 1894

Donald G. M. Anderson

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

Principles and techniques of numerical analysis, synthesis and computation: interpolation and approximation, numerical quadrature and differentiation, linear and nonlinear equations, optimization, differential and integral equations.

Note: Expected to be omitted in 2002–03. Offered in alternate years.



Prerequisite: Applied Mathematics 105a and 105b; Applied Mathematics 120, or equivalent, would be helpful. Ability to program in some high-level computer language like Fortran or C.

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 2002–03. Offered in alternate years.

Prerequisite: Applied Mathematics 211, or equivalent; Applied Mathematics 202 and 210 would be helpful, but are not required.

Applied Mathematics 299r. Special Topics in Applied Mathematics

Catalog Number: 5798

Venkatesh Narayanamurti

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 A.B./S.M. candidates only. Students must arrange such work with a member of the Division. This course is ordinarily taken with the approval of the Committee on Higher Degrees in certain cases when a letter grade is required. Applicants should file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110a.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Applied Mathematics 311,312. Numerical Mathematics and Scientific Computing**

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 (on leave fall term)

***Applied Mathematics 317,318. Special Topics in Physical Mathematics**

Catalog Number: 9160,2166

Michael P. Brenner 4101

***Applied Mathematics 321,322. Biological Applications of Mathematics and Automatic Computers**

Catalog Number: 7615,4243

William H. Bossert 1049



***Applied Mathematics 331,332. Theoretical Mechanics and Scientific Computation in 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 (on leave 2001-02)

***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 Division of Engineering and Applied Sciences Offering Instruction in Applied Physics

Michael J. Aziz, Gordon McKay Professor of Materials Science

Michael P. Brenner, Gordon McKay Professor of Applied Mathematics and Applied Physics

Daniel S. Fisher, Professor of Physics and Professor of Applied Physics

Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science

Jene A. Golovchenko, Gordon McKay Professor of Applied Physics and Professor of Physics
(on leave spring term)

Lene V. Hau, Gordon McKay Professor of Applied Physics and Professor of Physics

John W. Hutchinson, Abbott and James Lawrence Professor of Engineering

R. Victor Jones, Robert L. Wallace Professor of Applied Physics

Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics
(on leave spring term)

Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry *(on leave spring term)*

Charles M. Marcus, Professor of Physics

Paul C. Martin, John H. Van Vleck Professor of Pure and Applied Physics

Eric Mazur, Harvard College Professor, Gordon McKay Professor of Applied Physics and Professor of Physics

Warren J. Moberlychan, Lecturer on Applied Physics



Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences and Professor of Physics (*Dean of the Division of Engineering and Applied Sciences*)

David R. Nelson, Mallinckrodt Professor of Physics and Professor of Applied Physics

Alfred A. Pandiscio, Senior Lecturer on Electronics on the Gordon McKay Endowment

Peter S. Pershan, Gordon McKay Professor of Applied Physics and Professor of Physics

James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics

Allan R. Robinson, Gordon McKay Research Professor of Geophysical Fluid Dynamics (*on leave 2001-02*)

Frans A. Spaepen, Gordon McKay Professor of Applied Physics

Howard A. Stone, Harvard College Professor and Gordon McKay Professor of Chemical Engineering and Applied Mechanics

Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy and Professor of Applied Physics

Michael Tinkham, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics

David A. Weitz, Gordon McKay Professor of Applied Physics and Professor of Physics

Robert M. Westervelt, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave fall term*)

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, Assistant Professor of Physics

Henry Ehrenreich, Clowes Research Professor of Science

The Division of Engineering and Applied Sciences offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended curricula may be obtained from the Academic Office, Pierce Hall 110a. Division faculty also offer several courses in the section entitled General Education Electives.

For Undergraduates and Graduates

[Applied Physics 195. Introduction to Solid State Physics]

Catalog Number: 1842

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

Fundamental physical properties of crystalline solids discussed in terms of the basic principles of classical and quantum physics. Crystal structure, lattice vibrations, specific heat, energy band theory of metals and semiconductors and insulators, electrical transport in metals and semiconductors, optical and magnetic properties, superconductivity.

Note: Expected to be given in 2002–03. 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.

Primarily for Graduates

[Applied Physics 216 (formerly Applied Physics 216r). 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 communication and basic research. We cover the fundamental physics and topics include Fourier optics, optical cavities and lasers including solid state and pulsed lasers. Electro-and acousto-optical modulation. Non-linear optics. Optical fiber propagation, solitons. Photonic bandgap materials and fibers. Frequency metrology.

Note: Expected to be given in 2002–03.

Prerequisite: Graduate level class in electromagnetism/electrodynamics: Physics 232a, for example. A graduate level class in quantum mechanics is recommended.

Applied Physics 217. Photons and Atoms

Catalog Number: 6965

Lene V. Hau

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

Coherent and squeezed light, Casimir force, laser cooling and trapping, atomic fountains, atomic clocks, atom interferometry, EIT, Bose-Einstein condensation, Slow Light and nonlinear optics at ultra-low light levels, cold atoms and nanoscale technology in optical communication.

Note: Students may wish to take Physics 265, whose content is very similar, when this course is bracketed.

Prerequisite: Graduate level class in electromagnetism/electrodynamics (Physics 232a for example) and one semester of intermediate or advanced quantum mechanics. Applied Physics 216 is recommended.

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 planning to specialize in applied mechanics, materials science, solid state physics and chemistry.

Applied Physics 284. Statistical Thermodynamics

Catalog Number: 2257

David R. Nelson

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; fluctuations about equilibrium, Langevin equations and Fokker-Planck descriptions of time-dependent phenomena. Time permitting, a brief introduction to the statistical mechanics of the DNA sequences which define biological organisms will be given.

Note: It is suggested that 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 12.

Warren J. Moberlychan

Half course (spring term). M., 2–3:30 and a laboratory to be arranged. EXAM GROUP: 7, 8

Laboratory instruction in and lectures on transmission electron microscopy and related instrumentation for materials analysis. Students perform experiments on alignment, electron diffraction, bright and dark field imaging, X-ray spectroscopy, high-resolution imaging and sample preparation.

Note: Course intended 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 demonstrations. EXAM GROUP: 4

Kinetic principles underlying atomic motions, transformations, and other atomic transport processes in condensed phases. Applies these and the principles of thermodynamics to the interpretation of diffusion, continuous transformations, nucleation, growth, coarsening, and other kinetic phenomena in bulk, thin film, and surface states. Fundamental principles are emphasized which are broadly applicable to a wide range of current research problems in atomic transport and in materials synthesis and processing. Selected applications will be discussed as time permits.

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, creep by dislocation motion, creep by diffusion of single ions, twinning, and fracture. The results are applied to several case studies using deformation mechanism maps.

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 1. EXAM GROUP: Fall: 15, 16; Spring: 15

Special topics in materials science.

Prerequisite: Check with one of the instructors.

Applied Physics 295a. Introduction to Quantum Theory of Solids

Catalog Number: 6937

Eugene A. Demler

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

Electrical, thermal, magnetic and optical properties of solids will be discussed and treated based on statistical mechanics and quantum mechanical models using mostly single electron approximations. Metals, semiconductors, and insulators will be covered. The connections between theory, experiment and applications will be stressed throughout.

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, Fermi liquid theory, magnetism, and superconductivity.

Prerequisite: Applied Physics 295a, quantum mechanics, or permission of instructor.

[Applied Physics 296r. Superconductivity]

Catalog Number: 0219

Michael Tinkham

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

Introduction to theoretical and applied aspects of superconductivity. Topics include BCS microscopic theory, Ginzburg-Landau phenomenological theory, type I and II superconductors, Josephson effect and devices, fluctuation effects, the vortex-unbinding transition in 2-D systems, flux motion and dissipation in high-temperature superconductors, macroscopic quantum tunneling, the number-phase uncertainty relation, and the single-electron tunneling transistor.

Note: Expected to be given in 2002–03.

Applied Physics 298r. Materials Chemistry and Physics: Seminar

Catalog Number: 7500

Frans A. Spaepen, John W. Hutchinson, Charles M. Marcus, and David A. Weitz

Half course (spring term). M., W., 12–1:30. EXAM GROUP: 5, 6

Each year materials-related topics are chosen from the following: Optical and Electronic Properties; Mechanical Properties; Surfaces and Interfaces; Nanoscale Phenomena; Organic Materials; Synthesis and Fabrication; Characterization Techniques; Solid State Devices and Structural Applications. Each chosen topic is discussed in about five didactic lectures. A paper and oral presentation on two of the principal topics under discussion will be assigned.

Note: Taught by faculty from Chemistry, Physics, and the Division of Engineering and Applied Sciences who are associated with Harvard's Materials Research Science and Engineering



Laboratory. Suitable for graduate students with undergraduate concentrations in chemistry, engineering, or physics having present or potential research interests in this field.

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 A.B./S.M. candidates only. Students must arrange such work with a member of the Division. This course is ordinarily taken with the approval of the Committee on Higher Degrees in certain cases when a letter grade is required. Applicants should file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110a.

Cross-Listed Courses

Physics 232a. Electromagnetism I

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Applied Physics 327,328. Optical and Optoelectronic Information Systems and Technology**

Catalog Number: 8209,4795

R. Victor Jones 1107

***Applied Physics 329,330. Electronic Circuits**

Catalog Number: 3199,5428

Alfred A. Pandiscio 2601

***Applied Physics 331,332. Experimental Condensed Matter Physics**

Catalog Number: 0467,1560

Robert M. Westervelt 6148 (on leave fall term)

***Applied Physics 333,334. Condensed Matter and X-Ray Physics**

Catalog Number: 1033,6126

Jene A. Golovchenko 1986 (on leave 2001-02)

***Applied Physics 335,336. Theoretical Study of the Structure and Electronic Properties of Solids and Surfaces**

Catalog Number: 7902,7903

Efthimios Kaxiras 3050 (on leave spring 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 (on leave spring term)

***Applied Physics 339,340. Topics in Electromagnetic Theory**

Catalog Number: 4258,3127

Tai T. Wu 1051 (on leave spring term)

***Applied Physics 343,344. Topics in Electromagnetic Theory and Molecular Spectroscopy**

Catalog Number: 2695,4213

Patrick Thaddeus 1398

***Applied Physics 347,348. Solid Mechanics in Seismology and Materials Physics**

Catalog Number: 4033,3514

James R. Rice 7270

***Applied Physics 351,352. Statistical and Condensed Matter Theory**

Catalog Number: 3992,3993

Paul C. Martin 2103

***Applied Physics 353,354. Theoretical Statistical Physics**

Catalog Number: 5186,5941

Daniel S. Fisher 2600

***Applied Physics 355,356. Special Topics in Theoretical Engineering**

Catalog Number: 4864,9197

Michael P. Brenner 4101

***Applied Physics 359,360. Quantum Optics and Molecular Physics**

Catalog Number: 5760,3525

Eric Mazur 7952

***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 375,376. Superconductivity and Mesoscopic Physics**
Catalog Number: 8203,4912
Michael Tinkham 2131

***Applied Physics 381,382. Special Topics in Fluid Dynamics**
Catalog Number: 4554,2668
Howard A. Stone 2073

***Applied Physics 385,386. Dynamics of the Ocean; Interdisciplinary Modeling;
Geophysical Fluid Dynamics**
Catalog Number: 2878,2879
Allan R. Robinson 2133 (on leave 2001-02)

***Applied Physics 389,390. Electronic Theory of Condensed Matter**
Catalog Number: 5425,1600
Henry Ehrenreich 2411

***Applied Physics 393,394. Experimental Studies of Interfaces and Surfaces**
Catalog Number: 1331,5451
Cynthia M. Friend 7446

***Applied Physics 395,396. Topics in Materials Science**
Catalog Number: 4012,5003
Michael J. Aziz 1337

***Applied Physics 397,398. Materials Science**
Catalog Number: 4266,5010
Frans A. Spaepen 4991

Archaeology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Archaeology

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology (*Chair*)
Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric



Archaeology (*on leave spring term*)

Suzanne P. Blier, Professor of the History of Art and Architecture

Kathleen M. Coleman, Professor of Latin (*on leave spring term*)

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art (*on leave spring term*)

Yun Kuen Lee, Assistant Professor of Anthropology (*on leave fall term*)

Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages (*on leave spring term*)

Richard H. Meadow, Senior Lecturer on Anthropology

Lawrence E. Stager, Dorot Professor of the Archaeology of Israel

Piotr Steinkeller, Professor of Assyriology

Irene J. Winter, William Dorr Boardman Professor of Fine Arts

The Committee on Archaeology is a multidisciplinary group of scholars appointed to coordinate the teaching of archaeology among Harvard's departments. It is designed to advance knowledge of archaeological activity, research, fieldwork, and scientific techniques in the many and varied fields where archaeology is an established and desirable approach to past cultures and histories around the world. It holds a monthly interdepartmental seminar on archaeological themes, and encourages students in the several departments to join together outside their specialties for the advancement of knowledge. It publishes an electronic calendar of forthcoming archaeological lectures and activities in the Boston area.

The courses listed below deal either directly or indirectly with the study of archaeology and will be given in 2001–2002. Please also consult departmental listings in Classics and in Ancient Near East. More detailed descriptions may be found listed under the several departments.

Literature and Arts C-14, C-69. Social Analysis 50.

Anthropology 100, 101, 166, 211r.

History of Art and Architecture 131, 235.

Religion [2348ab].

Asian Studies Programs

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Council on Asian Studies

William C. Kirby, Edith and Benjamin Geisinger Professor of History and Dean of the Faculty of Arts and Sciences (*Chair*)
 William P. Alford, Henry L. Stimson Professor of Law (*Law School*) (*on leave fall term*)
 Peter K. Bol, Harvard College Professor and Professor of Chinese History (*on leave 2002-2003*)
 Harold Bolitho, Professor of Japanese History
 Sugata Bose, Gardiner Professor of Oceanic History and Affairs (*on leave spring term*)
 James K.M. Cheng, Librarian of the Harvard-Yenching Library
 Diana L. Eck, Professor of Comparative Religion and Indian Studies (*on leave fall term*)
 Carter J. Eckert, Professor of Korean History
 Andrew Gordon, Professor of History (*on leave 2002-03*)
 William C. Hsiao, K. T. Li Professor of Economics (*Public Health*)
 Yasheng Huang, Associate Professor of Business (*Business School*)
 Wilt Lukas Idema, Professor of Chinese Literature (*on leave 2001-02*)
 Akira Iriye, Charles Warren Professor of American History
 Wesley M. Jacobsen, Professor of the Practice of the Japanese Language
 Devesh Kapur, Associate Professor of Government (*on leave 2002-03*)
 Arthur Kleinman, Professor of Medical Anthropology in the Faculties of Medicine and Arts and Sciences
 Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations
 Leo Ou-Fan Lee, Professor of Chinese Literature (*on leave 2001-02*)
 Wai-ye Li, Professor of Chinese Literature (*on leave 2002-03*)
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science
 David McCann, Korea Foundation Professor of Korean Literature
 Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
 F. Warren McFarlan, Albert H. Gordon Professor of Business (*Business School*)
 Robert D. Mowry, Senior Lecturer on History of Art and Architecture
 Stephen Owen, James Bryant Conant University Professor (*on leave 2002-2003*)
 Dwight H. Perkins, Harold Hitchings Burbank Professor of Political Economy
 Elizabeth J. Perry, Henry Rosovsky Professor of Government
 Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics (*on leave spring term*)
 Michael James Puett, John L. Loeb Associate Professor of the Humanities
 John Mark Ramseyer, Mitsubishi Professor of Japanese Legal Studies (*Law School*)
 Michael Robin Reich, Professor of Population and International Health (*Public Health*)
 Peter G. Rowe, Raymond Garbe Professor of Architecture and Urban Design and Dean of the Graduate School of Design (*Design School*)
 Jay Rubin, Takashima Professor of Japanese Humanities
 Anthony Saich, Daewoo Professor of International Affairs (*Kennedy School*)
 Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History
 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
 James L. Watson, John King and Wilma Cannon Fairbank Professor of Chinese Society
 Michael Y. Yoshino, Herman C. Krannert Professor of Business Administration (*Business*)



School)

By resolutions of the Faculty of Arts and Sciences of April 12, 1972, and April 25, 2001, the Council on Asian Studies and its Executive Committee are appointed by the Dean in consultation with the Faculty Committee to supervise such interdepartmental and other committees concerned with Asian Studies as the Dean may designate.

The A.M. program in Regional Studies—East Asia and the PhD program in History and East Asian Languages are supervised by the Council and are described below.

The A.M. 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, Fine Arts, Government, History, 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 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 A.M. in Regional Studies—East Asia

Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History (*Chair*)
Eileen Cheng-yin Chow, Assistant Professor of Chinese Literary and Cultural Studies (*on leave 2002-2003*)
Edwin A. Cranston, Professor of Japanese Literature (*on leave 2001-02*)
Margarita Estevez-Abe, Assistant Professor of Government
Wilt Lukas Idema, Professor of Chinese Literature (*on leave 2001-02*)
David McCann, Korea Foundation Professor of Korean Literature

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 Coolidge Hall 102, 1737 Cambridge Street, MA, 02138 or (617) 495-3777.

Faculty of the Standing Committee on the PhD in History and East Asian Languages

Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations (*Chair*)

Peter K. Bol, Harvard College Professor and Professor of Chinese History (*on leave 2002-2003*)

Harold Bolitho, Professor of Japanese History

Carter J. Eckert, Professor of Korean History

Andrew Gordon, Professor of History (*on leave 2002-03*)

Akira Iriye, Charles Warren Professor of American History

William C. Kirby, Edith and Benjamin Geisinger Professor of History and Dean of the Faculty of Arts and Sciences

Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History

Established in 1941 to administer the PhD in History and Far Eastern Languages, this program was renamed by a Faculty vote of April 11, 1972, without other modification of its program. The Committee, drawn from the two departments of History and of East Asian Languages and Civilizations, administers a program leading to the PhD degree. The program in general combines study of the Chinese and Japanese languages (and sometimes other East Asian languages such as Korean, Mongolian, or Vietnamese) with advanced study and research in East Asian history. Normally this requires four courses (or equivalent) in the primary language, two and one-half in the secondary, and preparation for an oral examination in three history fields, of which two are ordinarily East Asian, and one Western, depending on the individual's preparation and program. In some cases, fulfilling these requirements may entail taking a fourth field. Further information may be obtained from the office of the Committee, at Vanserg 206, 10 Divinity Avenue, Cambridge, MA, 02138.

Graduate Courses of Reading and Research

***Regional Studies — East Asia 300. Reading and Research**

Catalog Number: 4614

Hue-Tam Ho Tai 6079 and 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: Open only to students affiliated with the Regional Studies–East Asia program.

***Regional Studies — East Asia 310. Thesis Development**

Catalog Number: 8453

Hue-Tam Ho Tai 6079, Carter J. Eckert 1178, Robert M. Gimello 9240, Helen Hardacre 3191 (on leave spring term), Arthur Kleinman 7473, Michael James Puett 1227, James L. Watson 2172 and members of the Committee

Designed to allow students to develop previous research or a previously written paper into the A.M. thesis, under the direction of an appropriate faculty advisor.



Note: Open only 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

Jonathan E. Grindlay, Paine Professor of Practical Astronomy (*Chair*)
 Alexander Dalgarno, Phillips Professor of Astronomy
 Thomas M. Dame, Associate of the Harvard College Observatory, Lecturer on Astronomy
 Daniel G. Fabricant, Associate of the Harvard College Observatory, Lecturer on Astronomy
 Giovanni G. Fazio, Lecturer on Astronomy
 Margaret J. Geller, Lecturer on Astronomy
 Alyssa A. Goodman, Professor of Astronomy (*on leave 2001-02*)
 Lee W. Hartmann, Lecturer on Astronomy
 Lars Hernquist, Professor of Astronomy
 Paul T. P. Ho, Lecturer on Astronomy
 Matthew Holman, Lecturer on Astronomy
 John P. Huchra, Professor of Astronomy
 Scott J. Kenyon, Associate of the Harvard College Observatory, Lecturer on Astronomy
 Robert P. Kirshner, Clowes Professor of Science
 John L. Kohl, Associate of the Harvard College Observatory, Lecturer on Astronomy
 Myron Lecar, Lecturer on Astronomy
 Abraham Loeb, Professor of Astronomy (*on leave 2002-2003*)
 James M. Moran, Donald H. Menzel Professor of Astrophysics
 Stephen S. Murray, Associate of the Harvard College Observatory, Lecturer on Astronomy
 Philip C. Myers, Lecturer on Astronomy
 Ramesh Narayan, Professor of Astronomy (*on leave 2001-02*)
 Robert W. Noyes, Professor of Astronomy
 William H. Parkinson, Lecturer on Astronomy
 Mark J. Reid, Associate of the Harvard College Observatory, Lecturer on Astronomy
 George B. Rybicki, Professor of the Practice of Astronomy
 Philip M. Sadler, Frances W. Wright Senior Lecturer on Celestial Navigation
 Dimitar D. Sasselov, Thomas D. Cabot Associate Professor of Astronomy (*Head Tutor*)
 Irwin I. Shapiro, Timken University Professor
 Krzysztof Z. Stanek, Assistant Professor of Astronomy
 Simon J. Steel, Allston Burr Senior Tutor in Currier House, Lecturer on Astronomy
 Robert P. Stefanik, Associate of the Harvard College Observatory, Lecturer on Astronomy



Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy and Professor of Applied Physics

Edward Tong, Lecturer on Astronomy

Ronald L. Walsworth, Associate of the Harvard College Observatory, Lecturer on Astronomy

Martin J. White, Assistant Professor of Astronomy

David James Wilner, Associate of the Harvard College Observatory, Lecturer on Astronomy

Other Faculty Offering Instruction in the Department of Astronomy

Owen Gingerich, Research Professor of Astronomy and of the History of Science

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 97hf (the Introductory Tutorial) is open to sophomores and freshmen who have some high-school physics background 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 45, 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

Dimitar D. Sasselov and Simon J. Steel

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

A general introductory course for nonscience concentrators. Topics include observational astronomy, the nature of the Sun and stars, the evolution of the universe from a hot big bang, its composition (including a discussion of what is currently understood about dark matter) and structure, the nature of space and time and current theories of quasars and black holes. The course is primarily descriptive. Where possible, basic principles of physics are explained and then applied to astronomical phenomena, but no mathematics beyond elementary algebra is used.

Astronomy 2. Celestial Navigation

Catalog Number: 2179 Enrollment: Limited to 30.

Philip M. Sadler and assistants

Half course (spring term). Tu., 11:30–1:30 and 7–10 p.m. EXAM GROUP: 13, 14, 15

The dance of the Sun, Moon, planets, and stars across the sky allows the navigator to find his or



her position anywhere on Earth. Celestial and terrestrial measurements are reduced with a watch and nautical charts and tables to create accurate and safe navigation for boats and airplanes. Students learn to use a sextant and compass, and build an instrument for measuring angles and a celestial sphere. Through personal observations and the use of a planetarium, students become familiar with a variety of celestial motions. Coastwise navigation, piloting, currents, tides, and electronic aids to navigation are also studied. Historical artifacts (instruments, maps, books, captains' logs) are used to explore the development of the field.

Note: Minimum lecturing; predominantly practical laboratory activities with individual attention from teaching staff. Mathematics beyond geometry and trigonometry not required. Some familiarity with sailing and/or astronomy is helpful.

Astronomy 45. Introduction to Astrophysics

Catalog Number: 5375

Alexander Dalgarno

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

An introduction to the concepts and methods of astrophysics, including a discussion of astronomical measurements and stellar magnitudes, and a systematic account of the astrophysical nature of radiation, planetary motion, tidal interactions, binary stars, galactic dynamics and cosmology.

Prerequisite: Physics 15a,b (Physics 15b may be taken concurrently).

***Astronomy 91r. Supervised Reading and Research**

Catalog Number: 1545

Jonathan E. Grindlay 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

Robert W. Noyes and members of the Department

Half course (throughout the year). F., 2–4. EXAM GROUP: 7, 8

Introduction to methods of problem solving in astrophysics. Contact with Department of Astronomy faculty and their research programs. Students meet in small groups with a faculty member for two weeks to work through a problem as an introduction to astronomical questions and research methods. Through the year, each student meets with approximately 10 members of the department.

Note: Open to sophomore concentrators and others (including freshmen with a high school physics background) considering the concentration or a combined concentration.

Prerequisite: Physics 15a,b or equivalent (can be taken concurrently).

***Astronomy 98hf. Tutorial — Junior Year**

Catalog Number: 3121



John P. Huchra and members of the Department
Half course (throughout the year). F., 2–4.

Note: Normally a required course for junior concentrators in Astronomy. Open in special cases to concentrators in other physical sciences. 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.

***Astronomy 99. Tutorial — Senior Year**

Catalog Number: 5413

John P. Huchra and members of the Department
Full course. F., 2–4. EXAM GROUP: 7, 8

Note: For honors candidates in Astronomy. Individually supervised reading and research leading to the honors thesis.

Prerequisite: Astronomy 98hf.

Cross-listed Courses

Science A-35. Matter in the Universe

Science A-36. Observing the Sun and the Stars

For Undergraduates and Graduates

[*Astronomy 135. Planetary System Astronomy]

Catalog Number: 4850

Matthew Holman and Robert W. Noyes

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

Uses our solar system as an example to understand the origin and evolution of planetary systems in general. Emphasis on how physical patterns inherent in our solar system provide clues to the conditions and mechanisms that give rise to the formation of planets orbiting the Sun or similar stars, and govern their evolution. Topics include the formation and evolution of the Sun; origin, structure, and evolution of solar system planets; planetary satellites; small bodies of the solar system (comets, asteroids, and meteorites); and solar magnetic activity and its influence on the Earth and planets. Also included will be discussion of planets orbiting other stars, what they tell us about how planetary systems (including our own) form and evolve, and the possibilities of habitable environments in other planetary systems.

Note: Expected to be given in 2002–03.

Prerequisite: Physics 15a, b, c, or Physics 11a, b and permission of the instructor.

Astronomy 145. Topics in Astrophysics

Catalog Number: 0212

Abraham Loeb

Half course (spring term). M., W., 9:30–11. EXAM GROUP: 2, 3

Discussion of a wide range of astrophysical systems, their physical processes, and observed characteristics. Topics include the Big Bang, the microwave background, the formation of structure in the universe, galaxy formation and evolution, star formation, energy generation in



stars, white dwarfs, neutron stars, and black holes.

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., 10–11:30. 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 191. Astrophysics Laboratory

Catalog Number: 3615 Enrollment: Limited to 16.

Jonathan E. Grindlay and Patrick Thaddeus

Half course (spring term). .

Laboratory and observational projects in astrophysics. Carried out in collaboration with researches at the Harvard-Smithsonian Center for Astrophysics, mainly with in-house or nearby facilities. Students choose two projects from a larger group that may include: measurement of the temperature of the cosmic microwave background radiation; laboratory spectroscopy of jet-cooled, gas phase molecules; observations of dense, star-forming interstellar clouds with the Haystack Observatory; various projects with the Very Large Array: measurement of the rotation of the Galaxy with the CFA millimeter-wave telescope; development of superconducting submillimeter detectors; spectroscopic observations of binary stars at Oak Ridge Observatory; photometry and spectroscopy of star clusters with the Knowles telescope at the Science Center; principles of soft x-ray detectors and imaging, construction, and evaluation of hard x-ray imaging detectors and telescope systems.

Note: Intended 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

Irwin I. Shapiro and Krzysztof Z. Stanek

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

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 (fall term). Hours to be arranged.*

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 2002–03.*Prerequisite:* Mathematics 21b or equivalent.
Cross-listed Courses
[Applied Mathematics 111. Introduction to Scientific Computing]
[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 core courses are Astronomy 150, 192, 206, 207, and 208, 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. Students with a special interest in relativity should note Physics 210 and 211.

[Astronomy 200hf \(formerly Astronomy 200\). Seminar in Modern Astrophysics and Cosmology](#)

Catalog Number: 8574

Krzysztof Z. Stanek and Martin J. White (fall term)
Half course (throughout the year). Fall: W., 3:45–5; Spring: W., at 4. EXAM GROUP: Fall: 8, 9; Spring: 9

Graduate seminar on topical areas in modern astrophysics and cosmology. Each semester 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.

[*Astronomy 204. Galactic and Extragalactic Dynamics]

Catalog Number: 6396

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

Dynamics of stellar systems. Properties of orbits. The collisionless Boltzmann equation and Jeans theorem. Models for star clusters, galaxies, and clusters of galaxies. The evolution of globular clusters. Dynamical friction, tides, mergers, and cannibalism. Density wave theory of spiral structure. Formation of galaxies. Simulation of galaxy dynamics.



Note: Expected to be given in 2002–03.

Prerequisite: Physics 151 or equivalent.

[Astronomy 206. Stellar Physics]

Catalog Number: 2128

Dimitar D. Sasselov

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

Stellar physics is studied from two basic precepts: of stars as the elementary (baryonic) building blocks in the Universe and of the evolution of matter (nucleosynthesis). The theory of stellar interiors and atmospheres is developed from general grounds and applied as fit to the variety of stellar objects and their environments. The observational methods (spectroscopy, dynamics, and seismology) are also discussed briefly. The goal is to provide basic tools for further research and an overall picture of the evolution of matter in the Universe.

Note: Expected to be given in 2002–03.

Astronomy 207. Cosmology and Extragalactic Astronomy

Catalog Number: 2446

Lars Hernquist

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

The cosmological principle: isotropy and homogeneity, cosmological world models, thermal history of the Big Bang, the microwave background, growth of density fluctuations, formation and evolution of galaxies, active galactic nuclei, large scale structure, structure of galaxies and clusters of galaxies, gravitational lensing, candidates for dark matter, measurements of cosmological parameters.

[Astronomy 208. The Physics of the Interstellar Medium]

Catalog Number: 4842

Alyssa A. Goodman

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

The Interstellar Medium [ISM] of our own and other galaxies, as well as the Intergalactic Medium will be discussed, with the greatest emphasis on the Milky Way's ISM. Various physically distinct regions will be investigated, including cold neutral gas, hot ionized gas, photon-dominated regions, high-velocity clouds, and galactic nuclei. Star-forming clouds and supernova remnants will be addressed in detail, as will the interaction of stellar winds with the ISM. The goal of the course will be an understanding of how to measure, understand, and predict the conditions (i.e., temperature, density, chemical composition, ionization state, magnetic field, velocity distribution) of the gas and dust in interstellar material, and to understand the role of the interstellar material in galaxies and the universe.

Note: Expected to be given in 2002–03.

Astronomy 218. Radio Astronomy

Catalog Number: 2883

James M. Moran

Half course (fall term). Hours to be arranged. EXAM GROUP: 16, 17

Historical development; 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

Jonathan E. Grindlay and Ramesh Narayan

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

Discussion of relativistic and high-energy astrophysical phenomena. Accretion disks and magnetic accretion. Compact stars: white dwarfs, neutron stars, black holes. Binary evolution. Cosmic ray and gamma-ray astronomy, observational techniques and sources, gamma-ray bursts and jets. X-ray astronomy, detectors, telescopes, and analysis techniques. X-ray sources, accreting x-ray binaries: bursts, disk coronae, supernova remnants, galaxy clusters. Active galactic nuclei and super-massive black holes. X-ray and gamma-ray background.

Note: Expected to be given in 2002–03.

Astronomy 225. Formation of Stars and Planets

Catalog Number: 0983

Philip C. Myers and Lee W. Hartmann

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

Physical properties of the 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.

Cross-listed Courses

[Applied Mathematics 205. Practical Scientific Computing]

Physics 210. General Theory of Relativity

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

Ramesh Narayan 2871 (on leave 2001-02), Raymond Blundell 2753, Alexander Dalgarno 1157, Thomas M. Dame 2755, Daniel G. Fabricant 3711, Giovanni G. Fazio 1143, George B. Field 3836, Margaret J. Geller 4867, Alyssa A. Goodman 3348 (on leave 2001-02), Jonathan E. Grindlay 4593, Lee W. Hartmann 7420, Lars Hernquist 4250, Paul T. P. Ho 7532, Matthew Holman 1260, John P. Huchra 6271, Scott J. Kenyon 1648, Robert P. Kirshner 1071, Christopher S. Kochanek 3108 (spring term only), John L. Kohl 4972, David Layzer 1163, Myron Lecar 1026, Abraham Loeb 3349 (on leave 2002-2003), James M. Moran 4090, Stephen S. Murray 3707, Philip C. Myers 1033, Robert W. Noyes 1651, William H. Parkinson 3065, Mark J. Reid 3858, George B. Rybicki 3734, Dimitar D. Sasselov 1020, Irwin I. Shapiro 7660, Krzysztof Z. Stanek 3906 (spring term only), Simon J. Steel 1842, Robert P. Stefanik 1003, Patrick Thaddeus 1398, Edward Tong 1004, Ronald L. Walsworth 2263, Martin J. White 3293



(*fall term only*), and David James Wilner 2855

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.

Biological Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Molecular and Cellular Biology

Andrew P. McMahon, Frank B. Baird, Jr. Professor of Science (*Chair*)

Howard C. Berg, Professor of Molecular and Cellular Biology and Professor of Physics

James E. Davis, Senior Lecturer on Chemistry and Chemical Biology and Molecular and Cellular Biology

John E. Dowling, Harvard College Professor and Gordon and Llura Gund Professor of Neurosciences (*on leave fall term*)

Catherine Dulac, Professor of Molecular and Cellular Biology

Brian D. Dynlacht, 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

William M. Gelbart, Professor of Molecular and Cellular Biology (*Head Tutor, Biology*)

Walter Gilbert, Carl M. Loeb University Professor (*on leave 2001-02*)

Guido Guidotti, Higgins Professor of Biochemistry

Stephen C. Harrison, Higgins Professor of Biochemistry (*Acting Head Tutor, Biochemical Sciences*)

J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences

Craig P. Hunter, Associate Professor of Molecular and Cellular Biology

Nancy Kleckner, Herchel Smith Professor of Molecular Biology

Jeremy R. Knowles, Amory Houghton Professor of Chemistry and Biochemistry (*on leave 2002-03*)

Samuel M. Kunes, Professor of Molecular and Cellular Biology

Richard M. Losick, Harvard College Professor and Maria Moors Cabot Professor of Biology

Robert A. Lue, Senior Lecturer on Molecular and Cellular Biology, Director of Undergraduate Studies in the Biological Sciences

Tom Maniatis, Thomas H. Lee Professor of Molecular and Cellular Biology

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, Assistant Professor of Molecular and Cellular Biology
Andrew W. Murray, Professor of Molecular and Cellular Biology
Venkatesh N. Murthy, Assistant Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences
David R. Nelson, Mallinckrodt Professor of Physics and Professor of Applied Physics
Axel Nohturfft, Assistant Professor of Molecular and Cellular Biology
Elizabeth J. Robertson, Professor of Molecular and Cellular Biology
Jack L. Strominger, Higgins Professor of Biochemistry
James C. Wang, Mallinckrodt Professor of Biochemistry and Molecular Biology
Don C. Wiley, John L. Loeb Professor of Biochemistry and Biophysics, Tutor in Biochemical Sciences (*on leave 2001-02*)

Associate Members of the Department of Molecular and Cellular Biology

Elena M. Kramer, Assistant Professor of Biology
Hidde Ploegh, Mallinckrodt Professor of Immunopathology and Professor of Pathology (*Medical School & Affiliate member of MCB*)
Stuart L. Schreiber, Morris Loeb Professor of Chemistry and Chemical Biology
Gregory L. Verdine, Harvard College Professor and Professor of Chemistry

Faculty of the Department of Organismic and Evolutionary Biology

Andrew A. Biewener, Charles P. Lyman Professor of Biology (*Chair*)
Fakhri A. Bazzaz, Mallinckrodt Professor of Biology
Kenneth J. Boss, Professor of Biology
Colleen M. Cavanaugh, Professor of Biology
Brian D. Farrell, Professor of Biology
David R. Foster, Senior Lecturer on Biology
Gonzalo Giribet, Assistant Professor of Biology
David A. Haig, Associate Professor of Biology
James Hanken, Professor of Biology, Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology
Daniel L. Hartl, Higgins Professor of Biology
N. Michele Holbrook, Professor of Biology
Farish A. Jenkins, Jr., Professor of Biology (*FAS*) and Professor of Anatomy in the Harvard-MIT Division of Health Sciences and Technology (*Medical School*) (*on leave spring term*)
Andrew H. Knoll, Fisher Professor of Natural History
Elena M. Kramer, Assistant Professor of Biology
George V. Lauder, Professor of Biology and Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology
Karel F. Liem, Henry Bryant Bigelow Professor of Ichthyology (*on leave spring term*)
Charles R. Marshall, Professor of Biology and of Geology
James J. McCarthy, Alexander Agassiz Professor of Biological Oceanography in the Museum of Comparative Zoology (*on leave fall term*)
Paul R. Moorcroft, Assistant Professor of Biology



Stephen R. Palumbi, Professor of Biology
Donald H. Pfister, Asa Gray Professor of Systematic Botany (*on leave fall term*)
Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology
Otto T. Solbrig, Bussey Professor of Biology, Emeritus
John R. Wakeley, Assistant Professor of Biology
Robert M. Woollacott, Professor of Biology

Other Faculty Offering Instruction in Biological Sciences

William H. Bossert, David B. Arnold, Jr. Professor of Science
Daniel Branton, Higgins Research Professor of Biology
George M. Church, Professor of Genetics (*Medical School*)
Charles A. Czeisler, Professor of Medicine (*Medical School*)
John M. Doyle, Professor of Physics (*on leave fall term*)
Melvin J. Glimcher, Harriet M. Peabody Professor of Orthopedic Surgery (*Medical School*)
Stephen J. Gould, Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology and Professor of Geology
Arthur L. Lage, Associate Professor of Veterinary Medicine (*Medical School*)
Ralph Mitchell, Gordon McKay Professor of Applied Biology
Hidde Ploegh, Mallinckrodt Professor of Immunopathology and Professor of Pathology (*Medical School & Affiliate member of MCB*)
P. Barry Tomlinson, Edward C. Jeffrey Professor of Biology, Emeritus

The courses designated Biological Sciences are an introductory sequence in the Biochemical Sciences and Biology concentrations. They are jointly organized by the departments of Molecular and Cellular Biology and Organismic and Evolutionary Biology. The courses designated Molecular and Cellular Biology are the responsibility of that department. The courses designated Biology are the responsibility of the Department of Organismic and Evolutionary Biology. The Acting Head Tutor for the Biochemical Sciences concentration is Stephen C. Harrison. The Head Tutor for the Biology concentration is William M. Gelbart.

Biological Sciences

Primarily for Undergraduates

Biological Sciences 50. Genetics and Genomics

Catalog Number: 9370

William M. Gelbart (fall term), William D. Fixsen (fall term), and Daniel L. Hartl (spring term)
Half course (fall term; repeated spring term). M., W., F., at 12 and three hours of laboratory/discussion each week. EXAM GROUP: 5

Analysis of genes and genomes with emphasis on function, transmission, mutation, and evolution, with examples from animals, plants, bacteria, and fungi. Discusses classical and current methods of gene and genome analysis, including genetic, molecular, quantitative, and bioinformatic approaches.

Note: Lectures and weekly laboratory/discussion section.

**Biological Sciences 51 (formerly Biological Sciences 2). Integrative Biology of Organisms**

Catalog Number: 1922

*Andrew H. Knoll, Brian D. Farrell, and James Hanken**Half course (fall term). M., W., F., at 12, and three hours of laboratory each week. EXAM GROUP: 5*

An integrative and functional approach to plant and animal biology in an evolutionary context, emphasizing common attributes of whole organisms and their solutions to problems imposed by the physical environment. Topics to be covered include development and organization of body plans, gas exchange, transport and excretion, information processing, support and locomotion, and the acquisition of energy sources.

Note: Knowledge of introductory molecular, cellular biology, and genetics is recommended.

Biological Sciences 52 (formerly Biological Sciences 10). Introductory Molecular Biology

Catalog Number: 1938

*Richard M. Losick**Half course (fall term). M., W., F., at 10, and a one-hour meeting each week; approximately six afternoon laboratory sessions to be arranged over the course of the semester. EXAM GROUP: 3*

An integrated introduction to the basic principles of molecular biology. Topics covered: the biochemistry and molecular biology of nucleic acids; the Central Dogma; DNA, RNA, and protein synthesis; mutation and repair; recombination and transposition; the genetic code; the turning on and off of genes; RNA, ribozymes and splicing; development. For current Biology and Biochemical Sciences concentrators, this course may be taken in lieu of Biological Sciences 10. Please refer to the respective concentration notes for additional information on the new course sequence.

Note: Chemistry 17 may be taken concurrently.

Prerequisite: Chemistry 17 or 20.

Biological Sciences 53. Evolution, Diversity and History of Life

Catalog Number: 3342

*David A. Haig and John R. Wakeley**Half course (spring term). Tu., Th., 10–11:30 and a weekly three-hour lab. EXAM GROUP: 12, 13*

A study of the process of organic evolution and its result: the structural, functional, and genetic diversity of organisms. Emphasis on recent advances in understanding phylogenetic relationships among the primary groups of organisms, major events in the history of life, and the fundamental concepts and methods of evolutionary biology.

Note: Replaces Biology 17 and 20.

Prerequisite: BS 1 or 50 or permission of instructor.

Biological Sciences 54. Introductory Cell Biology

Catalog Number: 0801

*Robert A. Lue and Raymond L. Erikson**Half course (spring term). M., W., F., at 10, and a one-hour meeting during which problem sets are solved; one laboratory session each week. EXAM GROUP: 3*

An integrated introduction to the structure, function, and interactions of cells, with an emphasis on their molecular composition and dynamics. Topics covered include: membrane structure and



transport; receptors and channels; protein targeting; cytoskeleton; cell cycle control; signal transduction; programmed cell death; cell adhesion and differentiation.

Note: Discussion sections will focus on problem-solving and evaluation of data. Laboratory exercises will provide exposure to several techniques commonly used in cell biology. For current Biology and Biochemical Sciences concentrators, this course may be taken in lieu of Biological Sciences 11. Please refer to the respective concentration notes for additional information on the new course sequence.

Prerequisite: Chemistry 17 or 20.

Biological Sciences 55 (formerly Biology 19). Population Biology: Ecology

Catalog Number: 3365

William H. Bossert

Half course (spring term). M., W., F., at 10, weekly discussion section, and a minimum of three field trips on Saturday and/or Sunday. 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, concept of the niche, population dynamics, predator-prey interactions, herbivore effects, community ecology, ecosystem structure and stability, and resource management.

Prerequisite: Mathematics 1 and prior biology experience.

Biological Sciences 56. Structure, Function, and Physical Chemistry of Macromolecules

Catalog Number: 5424

Stephen C. Harrison and Don C. Wiley

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

An introduction to macromolecular structure that integrates the basic principles of equilibrium thermodynamics, chemical kinetics, and molecular dynamics. Particular attention is paid to the forces and energetics of single molecules and how they determine the properties of ensembles of these molecules. Specific examples of such phenomena will be drawn from biochemistry and cell biology.

Prerequisite: BS 10 or 52 and BS 11 or 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.

Biological Sciences 57 (formerly Biology 22). Animal Behavior

Catalog Number: 2539

Naomi E. Pierce

Half course (fall term). Lectures, Tu., Th., at 10; evening movie section to be arranged; ninety minutes of discussion section each week. 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; signaling, deceit and animal consciousness; orientation, migration and biological rhythms; optimization and game theory; parental investment and mating systems; selfishness, altruism, and reciprocity; and sociality in vertebrates and invertebrates.

Prerequisite: Science B-29 or BS 50, 51, 53 or equivalent, or permission of instructor.



Biological Sciences 80 (formerly Biological Sciences 25). Behavioral Neuroscience

Catalog Number: 6052

John E. Dowling

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

An introduction to the organization and function of the nervous system and its role in behavior. Topics include the cell biology of neurons, electrical and biochemical signaling by neurons, mechanisms of sensation and perception, control of movement, learning and memory, language, motivation and emotion.

Molecular and Cellular Biology

Primarily for Undergraduates

***Biochemical Sciences 91r. Introduction to Research**

Catalog Number: 6083

Stephen C. Harrison and members of the Faculty

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 in Biochemical Sciences. A paper must be submitted to the laboratory sponsor and to the Biochemical Sciences Tutorial Office for review by the Course Director and members of the Board of Tutors.

Note: Open only to Biochemical Sciences concentrators; written permission of both the tutor and laboratory sponsor must be submitted to the Biochemical Sciences 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

Stephen C. Harrison and members of the Faculty

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.

For Undergraduates and Graduates

Attention is called to the following course: Chemistry 170. Chemical Biology

[MCB 112. Structure and Function of Proteins and Nucleic Acids]

Catalog Number: 6380

Stephen C. Harrison

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

Principles of protein and nucleic acid structure and assembly. This course is especially intended for first year graduate students in MCB and Biophysics, but it is also appropriate for suitably



prepared undergraduates.

Note: Expected to be given in 2002–03.

Prerequisite: BS 10 or 52, BS 11 or 54 and MCB 61, or equivalent preparation in physical chemistry.

[MCB 114. Structure and Function of Membrane Proteins]

Catalog Number: 8244

Don C. Wiley

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

An advanced course on the relationship between the atomic structure and the biological function of membrane proteins. Topics include: Both methods, such as: membrane protein crystallization; 2D electron crystallography; single particle image reconstruction; X-ray diffraction; and biological examples, such as: bacterial rhodopsin, photosynthetic and respiratory proteins, toxins, pores, and ion channels. Because relatively few membrane protein structures have been determined, a complete examination of current knowledge is possible. Students are required to evaluate and discuss scientific papers.

Note: Expected to be given in 2002–03.

Prerequisite: BS 10 or 52, BS 11 or 54 and MCB 61 or equivalent preparation in physical chemistry.

MCB 115. Cellular Basis of Neuronal Function

Catalog Number: 8703 Enrollment: Limited to 25.

Venkatesh N. Murthy

Half course (fall term). W., F., 10–11:30. EXAM GROUP: 3, 4

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.

Prerequisite: BS 25 or BS 80 or equivalent.

MCB 116. Experimental Embryology

Catalog Number: 1207 Enrollment: Limited to 24.

Elizabeth J. Robertson

Half course (fall term). M., 2–6. EXAM GROUP: 7, 8, 9

An introduction to basic problems in developmental biology by direct experimentation. Both classical and modern molecular manipulations of developing embryos are performed to study cell specification, differentiation, organ formation, and embryonic induction. Various aspects of pattern formation are analyzed, including the establishment of polarity and body axes, making use of frogs, chicken, mice, and fish.

Note: Laboratory course primarily for advanced undergraduates and graduate students.

Prerequisite: BS 10 or 52, or BS 11 or 54, or MCB 16 or 118 or their equivalents.

MCB 117. Experimental Neuroscience

Catalog Number: 3175 Enrollment: Limited to 16.

Markus Meister

Half course (fall term). Tu., Th., 2–5. EXAM GROUP: 16, 17, 18



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: Primarily for upper-level undergraduate and graduate students; background in biochemistry or physics suggested.

Prerequisite: BS 25 or 80.

MCB 118 (formerly MCB 16). Developmental Biology

Catalog Number: 0749

Douglas A. Melton

Half course (fall term). M., W., 8:30–10. EXAM GROUP: 1, 2

A comprehensive lecture course in developmental biology. The principles and mechanisms of development are emphasized and illustrated using several animal models. We will discuss how the basic body plan of an embryo is created and how the adult organism is maintained and repaired. Emphasis is placed on experimental approaches at the molecular, genetic and cellular levels. The establishment of pattern and polarity, embryonic induction, sex determination, organogenesis, stem cells and cloning are examples of the topics to be considered.

Prerequisite: BS52 or 10 and BS 54 or 11, or permission of the instructor.

[MCB 119. Experimental Genetics]

Catalog Number: 4472 Enrollment: Limited to 15.

Members of the faculty

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

The primary objective is to illustrate the principles and techniques of genetics with the most tractable eukaryotic genetic organism, budding yeast. Because yeast cells are used so widely in biology as the organism of choice or as an organism for working with heterologous proteins, the course also serves as an introduction for those who wish to use yeast in the future. Each week, a genetic experiment is performed. For each experiment, there is some modest background reading from research literature and a short lecture at the beginning of the laboratory period.

Note: Expected to be given in 2002–03.

MCB 120. The Cell Cycle, Tumor Suppressors, and Cancer

Catalog Number: 3069 Enrollment: Limited to 20.

Matthew Michael and Brian D. Dynlacht

Half course (fall term). M., W., 4–6; plus 4 laboratory sections, hours to be arranged. EXAM GROUP: 9

Course will cover the molecular biology and biochemistry of the cell cycle with an emphasis both on normal cell cycles and on the mechanisms by which cell cycle dysfunction leads to genomic instability and tumor formation. Topics include genetic analysis of the cell cycle in yeasts, biochemical analysis of the cell cycle in *Xenopus* and human cells, cell cycle checkpoints, DNA damage and its repair, tumor suppressor gene function, oncogenes, and transformation to neoplastic growth.

Note: The course consists of lectures, student presentations from the literature, and 4 laboratory



exercises that will demonstrate experimental approaches currently used in cell cycle and cancer research.

Prerequisite: BS 52 or 10 and BS 54 or 11, or permission of the instructor.

[*MCB 122. Regulation of Cell Proliferation]

Catalog Number: 1403 Enrollment: Limited to 20.

Raymond L. Erikson

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

The molecular and biochemical events occurring during the cell cycle are considered. Topics include growth factors and their receptors, second messengers, protein phosphorylation, gene expression, oncogenes, and tumor suppressor genes. The course consists of lectures and student presentations from the current literature. An optional laboratory section will be offered to students with limited laboratory experience interested in the techniques considered in the lectures.

Note: Expected to be given in 2002–03.

Prerequisite: BS 10 or 52 or equivalent.

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

The course explores the question of how cells maintain stability in the face of external change and internal turnover. Introduces the concepts of homeostasis, dynamic equilibrium and feedback control. Selected topics will be drawn from protein biochemistry, lipid metabolism, membrane biology, and mineral balance. Lectures and discussions of scientific papers.

Prerequisite: BS 52 or 10 and BS 54 or 11 or permission of the instructor.

MCB 129. Molecular Genetics of Neuronal Development

Catalog Number: 8956 Enrollment: Limited to 25.

Samuel M. Kunes

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

Topics include the control of neuronal differentiation and cellular identity, cell birth and cell death, axon guidance, and the mechanisms of synaptic specificity. Emphasis placed on genetic approaches to understanding the development of the nervous system.

[MCB 138. Function of Neural Systems]

Catalog Number: 1153 Enrollment: Limited to 25.

Markus Meister

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

Introduction to the known functional principles of large neural circuits responsible for the processing of sensory input, learning and memory, and control of movement. Covers the physiological mechanisms underlying collective neural function and the methods useful in their analysis.

Note: Expected to be given in 2002–03.

Prerequisite: BS 25 or 80 and one half course in physics or permission of instructor.



MCB 140. Introduction to Biophysics

Catalog Number: 9736 Enrollment: Limited to 40.

Howard C. Berg and David R. Nelson

Half course (spring 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: To be given in alternate years. Lectures, problem sets, 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). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

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.

Prerequisite: BS 10 or 52, and BS 25 or 80.

MCB 142. Chromosomes

Catalog Number: 7948 Enrollment: Limited to 25.

Matthew Meselson

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Selected aspects of the structure, replication, segregation, recombination, and function of chromosomes. Current findings will be considered in a historical context. Lectures, student presentations and critical discussion of the scientific literature.

Prerequisite: BS50 or equivalent.

MCB 150. Developmental Genetics and Genomics

Catalog Number: 5703

Craig P. Hunter

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

An advanced course on the genetic control of plant and animal development. Topics include classical and molecular genetic analysis of developmental processes and mechanisms in nematodes, flies, fish, plants, mice, and man. The course will consist of lectures, student presentations, several written assignments, and an exam.

Prerequisite: BS 1 or 50, BS 10 or 52, BS 11 or 54, their equivalents or permission of instructor.

***MCB 155. Molecular Mechanisms of Gene Control**

Catalog Number: 6230



Tom Maniatis

Half course (fall term). Tu., Th., 4–5:30, plus two-hour section times to be arranged. EXAM GROUP: 18

An advanced course on the control of gene regulation. Topics include: mechanisms of gene regulation at the level of transcription, chromatin structure, DNA methylation, RNA processing, mRNA localization, and protein synthesis and degradation. The course is taught through weekly lectures and readings from the current literature. Topics covered in lectures and the reading assignments are discussed in sections. Students are required to critically evaluate and discuss recent papers in sections. Two exams.

Prerequisite: BS 10 or 52 and BS 11 or 54 (or equivalent), and permission of instructor.

MCB 169. Molecular and Cellular Immunology

Catalog Number: 2518

Hidde Ploegh (Medical School & Affiliate member of MCB)

Half course (fall term). Tu., Th., 10–11:30, and a ninety minute discussion section per week to be arranged. 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: BS 1 or 50 and BS 10 or 52. Genetics and Cell Biology strongly 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 and involvement in disease 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.

Prerequisite: BS 10 or 52 and BS 11 or 54.

[MCB 177. Macromolecular Assemblies in Genetic Processes]

Catalog Number: 3102 Enrollment: Limited to 30.

James C. Wang

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

Selected topics on complex assemblies in replication, repair, recombination, and transcription will be discussed. Emphasis is on the structural basis of an assembly and the macromolecular interactions underpinning its function.

Note: Expected to be given in 2002–03.

Prerequisite: BS 10 or 52 and BS 11 or equivalent, or permission of the instructor. Background in macromolecular structures and functions encouraged.

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 per week to be arranged.

EXAM GROUP: 7, 8, 9

Properties, mechanisms, and functional roles of circadian (daily) rhythms in organisms ranging from unicells to mammals. Cellular and molecular components, regulation of gene expression and physiological functions, genetic and biochemical analyses of circadian rhythms, and neurobiology of the mammalian circadian pacemaker. Mathematics and modeling of oscillatory systems and applications to circadian rhythms. Experimental studies of human rhythms, including the sleep-wake cycle and hormone rhythms, with applications to sleep disorders.

Prerequisite: BS 1 or 50 and BS 2 or 51; BS 25 or 80 desirable.

MCB 188. Genetics and Biochemistry of Chromosome Behavior

Catalog Number: 8561

Nancy Kleckner

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

Chromosome morphogenesis in prokaryotic and eukaryotic organisms. Topics will include chromosome structure, interactions between chromosomes (sisters and homologs), DNA recombination and repair, topoisomerases, transposable elements and site-specific recombination, epigenetic inheritance. Genetic, cytological, and biochemical approaches will be integrated. Lecture, reading, and discussion of classical and current literature and consideration of future experimental directions.

Prerequisite: BS 10 or 52, BS 11 or 54, and BS 14 or 50.

***MCB 195. Genomics and the Biology of Complex Systems**

Catalog Number: 8701 Enrollment: Limited to 65.

Andrew W. Murray

Half course (spring term). M., W., 12-1:30.

The complete sequences of an increasing number of genomes have produced a range of new experimental and computational approaches to biological problems. This course takes an integrated approach, exploring how genomes are mapped and sequenced, how various computational methods convert this raw data into information about biology, and how new experimental methods can provide comprehensive information about the behavior and function of genes and their products. Central issues include discussing ways in which computational and experimental methods can work together to provide new insights into biology, the search for general principles in biology, and the idea that evolutionary comparisons will play the critical role in turning raw data into knowledge about how cells and organisms, grow, survive, reproduce, and evolve.

Prerequisite: BS 50 or 1 or BS 52 or 10 strongly recommended. Computer Science coursework desirable but not required. Or permission of the Instructor.

Cross-listed Courses

Biophysics 101. Genomics and Computational Biology

Primarily for Graduates



MCB 200a. Introduction to Graduate Study in Molecular and Cellular Biology

Catalog Number: 7215 Enrollment: Limited to MCB graduate students.

Markus Meister and members of the faculty

Half course (fall term). Tu., 8:30–10, F., 3:30–5.

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 neurobiology, developmental biology, and protein structure.

Note: Students are expected to actively participate in critical evaluation and discussion. The course will be team-taught by faculty.

[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 2002–03. A term paper and seminar will be required.

[*MCB 250. Producing a Phenotype: Modern Genetics & Genomics]

Catalog Number: 7006 Enrollment: Limited to 20.

William M. Gelbart

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

A course consisting of a combination of lectures, student seminars, and computational investigations exploring the current interface between the genetic and genomic analysis of DNA sequences and gene products. The goal is to understand how these different approaches may be synthesized to understand biological processes.

Note: Expected to be given in 2002–03.

Prerequisite: Courses in basic genetics and molecular biology, and permission of instructor.

MCB 268. Molecular Immunology: Seminar

Catalog Number: 2196 Enrollment: Limited to 20.

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 is presented by a student in 20–30 minutes. Reading of the papers, seminar presentations, and class participation are the only work of the course.

Prerequisite: MCB 169 or permission of instructor required for undergraduates, but not essential for graduate students.

[MCB 289. Photobiology]

Catalog Number: 7087 Enrollment: Limited to 10.

J. Woodland Hastings

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

Interaction of light with biological systems and the relevant principles of photochemistry and photophysics. Topics include vision, photosynthesis, bioluminescence, photoinactivation and mutation, photomovement and morphogenesis, photoperiodism, and photomedicine.



Note: Expected to be given in 2002–03.

Prerequisite: BS 1 or 50 and BS 11 or 54 or equivalent, and an introductory course in physics.

Graduate Courses of Reading and Research

***MCB 300. Introduction to Research**

Catalog Number: 4816

Douglas A. Melton 7232, Andrew P. McMahon 3312, and James C. Wang 4870

***MCB 304. Biochemistry of Cell Cycle Regulation**

Catalog Number: 2980

Brian D. Dynlacht 1940

***MCB 306. Biophysics and Physiology of Neurons**

Catalog Number: 1695

Venkatesh N. Murthy 2424

***MCB 310. Molecular Embryology of the Mouse**

Catalog Number: 8031

Elizabeth J. Robertson 3313

***MCB 312. Military and Arms Control Applications of Biology and Chemistry**

Catalog Number: 2063

Matthew Meselson 1319

***MCB 314. Molecular Genetics of Cell-Cell Interactions in Plants**

Catalog Number: 5564

Robert E. Pruitt 3376 (on leave fall term)

***MCB 322. Genetics and Development**

Catalog Number: 7290

Craig P. Hunter 2803

***MCB 326. Biochemical Virology**

Catalog Number: 0243

Raymond L. Erikson 7506

***MCB 327. DNA Damage Induced Signal Transduction**

Catalog Number: 8684

Matthew Michael 3825

***MCB 344. Molecular and Developmental Neurobiology**

Catalog Number: 2292

Catherine Dulac 2801



***MCB 351. Structural Molecular Biology**

Catalog Number: 1977
Stephen C. Harrison 3597

***MCB 352. Structural Molecular Biology**

Catalog Number: 2099
Don C. Wiley 3598 (on leave 2001-02)

***MCB 359. Molecular Genetics**

Catalog Number: 6278
Nancy Kleckner 4697

***MCB 360. Proteins Involved in DNA Transactions**

Catalog Number: 0407
James C. Wang 4870

***MCB 364. Vertebrate Development**

Catalog Number: 1396
Andrew P. McMahon 3312

***MCB 365. Neurobiology**

Catalog Number: 8349
John E. Dowling 3545 (on leave fall term)

***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

***MCB 374. Developmental Neurobiology**

Catalog Number: 6167
Samuel M. Kunes 3486

***MCB 376. Molecular Biology**

Catalog Number: 4159
Walter Gilbert 1306 (on leave 2001-02)

***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. Eukaryotic Gene Regulation**

Catalog Number: 7697

Tom 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

Biology

Certain courses at the Medical School, offered by the FAS through the Division of Medical Sciences (see listings in this catalog), may be counted for concentration credit by individual petition to the Biology Undergraduate Committee *prior* to filing the study card. These include



courses in Biological Chemistry and Molecular Pharmacology, Cell Biology, Genetics, Immunology, Microbiology, Neurobiology, Pathology, and Virology.

With the approval of the Biology Undergraduate Committee, summer courses taken at the Marine Biological Laboratory, Woods Hole, Massachusetts, may be counted toward degree requirements, but the total credit so obtained shall not exceed one course. Similarly, and with the same limitations, courses taken in Tropical Biology under the auspices of the Organization for Tropical Studies may be counted toward degree requirements.

Primarily for Undergraduates

Biology 10. Biology of Invertebrate Animals

Catalog Number: 7873

Kenneth J. Boss

Half course (fall term). Lectures M., W., F., at 11; laboratory to be arranged. EXAM GROUP: 4
Surveys the diversity of invertebrate animals, including their natural history and probable evolutionary relationships. The ecological and behavioral adaptations as well as the morphology and systematics of these organisms are explored, using common marine, freshwater, terrestrial, and parasitic species.

Note: BS 2 or 51 recommended, or permission of instructor required.

Biology 21. Structure and Physiology of the Vertebrates

Catalog Number: 0921

George V. Lauder and Andrew A. Biewener

Half course (fall term). Lectures, M., W., F., at 9, and five hours of laboratory each week. EXAM GROUP: 2

Introduction to the relationship between physiology, structure, and function of vertebrates. Lectures concentrate on selected organ systems (musculoskeletal, cardiovascular, respiratory, reproductive, excretory, and digestive) paying particular attention to how they have evolved and diversified within living vertebrate groups in relationship to environmental factors. General principles of structure-function relationship are emphasized. Physiology and morphological dissection labs concentrate on higher vertebrates and are correlated with one another and with the lectures.

Prerequisite: BS 1 or 50 and 2 or 51.

Biology 24. Biology of Plants

Catalog Number: 1343

N. Michele Holbrook and Elena M. Kramer

Half course (spring term). Tu., Th., 10–11:30, one afternoon laboratory per week, plus occasional field trips. EXAM GROUP: 12, 13

Introduction to the structure, diversity, and physiology of plants with an emphasis on evolutionary relationships and adaptations to life on land. Topics include growth, resource acquisition, interactions with other organisms (i.e., fungi, bacteria, insects), reproduction, and survival in extreme environments. Laboratory sessions provide an overview of plant and diversity and an introduction to basic physiological processes.

***Tutorials, Independent Research, and Thesis Work***

See Biology 121a, Biology 121b, and Biology 200r for other independent research options. Students who participate in independent research laboratory courses (Bio 98r, 99ar, 99b, 121a, 121b, or 200r) are required to attend a safety session on matters concerned with safety procedures before or at the beginning of their laboratory work. Credit for these courses is contingent upon compliance with this requirement. The Biology 95hf Tutorial Program, consisting of 17 seminars on various biological topics not covered in depth in other undergraduate offerings, is designed to provide undergraduates with the opportunity to associate with a professional biologist over an extended period of time and to be full participants in directing a course of study. The seminars build upon the mid-level biology courses and bridge the gap between regular coursework and independent research. The seminars carry 1/2 course credit for the entire year (are usually taken as a 5th course). They begin in fall, and cannot be divided mid-semester or combined with a seminar the following year. The Biology 95hf Program is directed by the Head Tutor in Biology, Professor William Gelbart. However, the tutorial seminars are taught by post-doctoral fellows and medical school faculty. Students should feel free to get in touch with the tutorial instructors directly - their names, phone numbers and e-mail addresses, as well as tutorial seminar course descriptions, are posted on the Biology website: biology.harvard.edu. Please consult the Biology website for dates and times of first meetings.

***Biology 91r. Supervised Reading**

Catalog Number: 2817

*William M. Gelbart 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 of instruction. Normally work is directed by a Biology faculty member of the Department of Molecular and Cellular Biology or Organismic and Evolutionary Biology. For Biology concentrators, work may be supervised by faculty in other departments or outside Cambridge, provided it is co-sponsored by a Biology faculty member. Nonconcentrators must conduct their reading project with a Biology faculty member. Students must submit a registration request to the Biology Undergraduate Office before course enrollment. A written report of approximately 10 pages describing the material covered during the term is due in duplicate in the Undergraduate Office on the date indicated on the registration form.

Note: May be taken only once for concentration credit. May not be taken with the director/sponsor of an independent research course. Registration forms will not be accepted after Study Cards are due.

Prerequisite: Four semesters of introductory biology.

***Biology 95hfa. How Do Animals Move?**

Catalog Number: 2052

*William M. Gelbart and members of the Department**Half course (throughout the year). Th., at 6:30.****Biology 95hfb. The Science of Exercise and Human Performance**

Catalog Number: 2607

*William M. Gelbart and members of the Department**Half course (throughout the year). Hours to be arranged.*



[*Biology 95hfc. Cell Signaling In the Immune System. Apoptosis and Immune Diseases as Targets for Biotechnological Research]

Catalog Number: 2935

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

Note: Expected to be given in 2002–03.

***Biology 95hfd. Neural Stem Cells: The Ever-Changing Concept**

Catalog Number: 3437

William M. Gelbart and members of the Department

Half course (throughout the year). W., at 6.

***Biology 95hfe. Plant Sexual Reproduction: Evolutionary and Molecular Aspects**

Catalog Number: 4021

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hff. G Protein-Coupled Receptors in Biology and Medicine**

Catalog Number: 5745

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfg. Oncogenes and the Molecular Initiation of Cancer**

Catalog Number: 4576

William M. Gelbart and members of the Department

Half course (throughout the year). Tu., at 7 p.m.

***Biology 95hfh. Ecology of Hydrothermal Vents**

Catalog Number: 4969

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfi. Ecology, Detection & Treatment: Disease in the Developing World**

Catalog Number: 7067

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfj. Biology of Bone**

Catalog Number: 6361

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfk. Ecology of Biological Invasions, Past, Present and Future**

Catalog Number: 7431

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.



***Biology 95hfl. Problem Solving in Neuroscience: An Interactive Case-Based Online Network (ICON)**

Catalog Number: 7072

William M. Gelbart and members of the Department

Half course (throughout the year). Tu., at 6. EXAM GROUP: 18

***Biology 95hfm. Games Parasites Play: The Cellular and Molecular Biology of Host/Parasite Interactions**

Catalog Number: 7766

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfn. Biodiversity: Science, Policy, and Law**

Catalog Number: 8189

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfo. The Genetics of Cancer in the Postgenomic Era**

Catalog Number: 8456

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfp. The Guinness Book of Plants - Extreme Plant Physiology**

Catalog Number: 8846

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 98r. Introduction to Research**

Catalog Number: 8616

William M. Gelbart and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Introduction to independent research. Recommended for students (ordinarily in the junior year) with no previous independent laboratory or library research experience. For Biology concentrators, ordinarily work is directed by a member of the Biological Sciences departments (MCB: Molecular and Cellular Biology, and OEB: Organismic and Evolutionary Biology) or affiliates. Other research sponsors must be approved by petition to the Biology Undergraduate Office. Non-concentrators must conduct their project with a faculty member in MCB or OEB. All students must submit registration materials for Biology 98r at the time of enrollment. A written report of approximately 5 pages is due in duplicate in the Biology Undergraduate Office on the date indicated on the registration form.

Note: To be graded SAT/UNS only. Laboratory safety session required.

***Biology 99ar. Research for Honors Thesis**

Catalog Number: 8037

William M. Gelbart and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.



Ordinarily taken by students planning on writing an honors thesis. Recommended as the research course to be taken in the first semester of the student's senior year. For Biology concentrators, work may be directed by a member of the Biological Sciences departments (MCB: Molecular and Cellular Biology, and OEB: Organismic and Evolutionary Biology) or affiliates. Other research sponsors must be approved by the Biology Undergraduate Committee and require an MCB or OEB co-sponsor. Non-concentrators must conduct their project with a faculty member in MCB or OEB. All students must submit registration materials for Biology 99ar at the time of enrollment. A written report of approximately 10 pages is due in duplicate in the Biology Undergraduate Office on the date indicated on the registration form. All students enrolling in this course must submit a short thesis proposal prior to the first day of classes of the fall semester. The thesis proposal form is available in the Biology Undergraduate Office.

Note: May be repeated only with special permission of the Biology Undergraduate Committee. Laboratory safety session required.

***Biology 99b. Honors Thesis**

Catalog Number: 7264

William M. Gelbart and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Taken by students who are actively writing their honors thesis (ordinarily in the second semester of their senior year). For Biology concentrators, work may be directed by a member of the Biological Sciences departments (MCB: Molecular and Cellular Biology, and OEB: Organismic and Evolutionary Biology) or affiliates. Other research sponsors must be approved by the Biology Undergraduate Committee and require an MCB or OEB co-sponsor. Non-concentrators must conduct their project with a faculty member in MCB or OEB. All students must submit registration materials for Biology 99b at the time of enrollment. These registration materials are available in the Biology Undergraduate Office. Honors levels determined by the Biology Undergraduate Committee based upon readers' evaluations.

For Undergraduates and Graduates

Biology 103. Plant Systematics

Catalog Number: 8704

David John Middleton

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

An introduction to the phylogeny, evolution, and diversification of the flowering plants, with emphasis on the major plant families of the world. Native and cultivated plants of eastern North America are studied in laboratory and field work.

Prerequisite: Biological Sciences 51or permission of instructor.

Biology 104. Plants and Human Affairs

Catalog Number: 5281

Otto T. Solbrig

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

An introduction to the biology and use of plants of economic importance, including the role that plants have played in the development of civilization and in modern society. Topics to be covered are the structure, classification, economic importance, chemistry, and evolution and



culture of the principal crops of the world, and cultural methods, including the use of biotechnology in plant breeding.

Prerequisite: Introductory Biology (Biological Sciences 51) or equivalent.

Biology 107. Evolution of Plant Life in Geologic Time

Catalog Number: 1318

Andrew H. Knoll

Half course (spring term). M., W., F., at 9 and one 3 hour laboratory each week. EXAM

GROUP: 2

Origin, evolution, dispersal, paleoecology, and geologic history of the major groups of the plant kingdom. Laboratory study of representative groups, living and fossil.

Prerequisite: BS 2 or 51 or permission of instructor.

Biology 114. Vertebrate Viviparity

Catalog Number: 4953

David A. Haig

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Viviparity has evolved many times in vertebrate phylogeny. The course will review 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 will be considered.

[Biology 115. The Diversity of Coral Reef Habitats]

Catalog Number: 1422

Gonzalo Giribet and Stephen R. Palumbi

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

The taxonomy, diversity, ecology and conservation of different habitats in a tropical reef area of the Caribbean will be studied. Typical coral reef habitats, mangrove, water column (pelagos), sediments (meio and megafauna), and seagrass communities will be investigated. The course consists of a series of lectures and labs integrating reef ecology, invertebrate diversity, and conservation issues.

Note: Expected to be given in 2002–03. A field trip to a marine biological station during spring break will serve to start a team project on invertebrate reef ecology.

Prerequisite: Any two courses of the following 4 topics: BS51, BS 53, Biology 10, Biology 187, or BS 55 (formerly Biology 19).

Biology 118. Biological Oceanography

Catalog Number: 7752

James J. McCarthy

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

The ocean as an ecological system. Emphasis on the ecology and physiology of the plankton. Considerable attention to processes and events that demonstrate the complexity of environmental-organismal interactions. Discussion sessions treat special topics such as sampling strategies, plankton demonstrations, and critical analyses of current literature.

Note: For Biology and other natural science concentrators.

Prerequisite: BS 1 and Chemistry 5 and 7 or Chemistry 10. Biological Sciences 55 (formerly Biology 19) is recommended.



Biology 120. Physiology of Plants

Catalog Number: 2554

N. Michele Holbrook

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

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.

Prerequisite: Permission of the instructor.

Biology 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.

The purpose of this course is to introduce students to experimental techniques used in investigating the structure and physiology of vertebrates. Each instructor offers a list of research projects to be undertaken in his or her laboratory, and is prepared to supervise 5 students per instructor. The only formal class meetings are at the beginning (at which time the students outline their projects) and at the end when the project results are presented. An extensive commitment of time in the laboratory is required. The grade is based on the work completed, the oral presentation, and a short paper prepared as if it were to be submitted for publication in a professional journal.

Note: Laboratory safety session required.

Prerequisite: Biology 21 preferred, or permission of instructor.

***Biology 121b. Advanced Structure and Physiology of the Vertebrates**

Catalog Number: 4670

Andrew A. Biewener and George V. Lauder

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: Biology 121a.

[Biology 123. Biology of Symbiosis]

Catalog Number: 0508

Colleen M. Cavanaugh

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

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 2002–03.

Prerequisite: BS 1 or 50 and 2 or 51, and BS 11 or equivalent, or permission of instructor.



[*Biology 130. Patterns and Processes in Fish Diversity]

Catalog Number: 4624 Enrollment: Limited to 10.

Karel F. Liem and George V. Lauder

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

As the largest and most diverse group of vertebrates, fishes inhabit virtually all aquatic environments including deep seas, intertidal zones, coral reefs, polar waters, the vast Amazonian basin, and great East Africa lakes. Some even exploit anoxic systems and temporary water bodies uninhabitable by other vertebrates. Moreover, a single fish species may occupy diverse environments through extraordinary long distance horizontal and vertical migratory strategies. To explore this unparalleled diversity, the course emphasizes bridging traditional academic boundaries with integrative analyses of the biology underlying rapid evolutionary radiations, stasis, and mass extinctions.

Note: Expected to be given in 2002–03.

Prerequisite: BS 1or 50, and 2 or 51, or permission of instructor.

[*Biology 133. Biology of Mollusks]

Catalog Number: 0751

Kenneth J. Boss

Half course (spring term). Hours to be arranged. Field trips and laboratories to be arranged.

Predominantly an organismic approach to the biology of the Phylum Mollusca; surveys the diversity of marine, terrestrial, and fresh-water mollusks, including special aspects of current research in systematics, ecology, zoogeography, and paleontology.

Note: Expected to be given in 2002–03. BS 2 or 51 recommended, or permission of instructor required.

Prerequisite: BS 2 or 51 recommended, or permission of instructor required.

[Biology 135. The Biology, Biochemistry, and Physiology of the Skeletal System of Vertebrates]

Catalog Number: 1278 Enrollment: Limited to 30.

Melvin J. Glimcher (Medical School)

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

Topics include development of bone and cartilage as organs and as tissues; mechanisms for remodeling (including fracture repair and tissue and organ grafting); biochemical composition, structure, and ultrastructural organization of the inorganic mineral phase and its molecular and structural relationships to the constituents of the organic matrix; the primary, secondary, and higher-ordered structures of collagen and noncollagenous proteins of bone; general principles underlying the molecular mechanisms and calcification of bone and other mineralized biological tissue; the structure, chemical composition, and function of the articular cartilage; and the biomechanics and biochemistry of joint function: and the pathophysiology of bone and cartilage to illuminate the basic biology, chemistry, and physiology of these tissues and organs. Selected related topics in molecular biology, and the molecular basis of genetic abnormalities of the skeleton.

Note: Expected to be given in 2002–03.

Prerequisite: BS 2 or 51 and inorganic and organic chemistry, or permission of instructor.



[Biology 139. Evolution of the Vertebrates]

Catalog Number: 8562

Farish A. Jenkins, Jr.

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

Concentrates on the major steps in vertebrate evolution and does not attempt a synoptic review of fossil vertebrates. Emphasis on the anatomical and physiological changes that occurred in the transitional stages leading to fish, amphibians, reptiles, birds, and mammals as well as the geographic locations and environment in which these groups originated.

Note: Expected to be given in 2002–03.

Prerequisite: BS 2 or 51, Biology 21, or equivalent.

[Biology 149. Plant Ecology]

Catalog Number: 2670

Fakhri A. Bazzaz

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

Introduction to concepts and principles of plant ecology, with emphasis on experimental approaches to understanding the biology of plant populations. Special attention is given to plant ecophysiological response to the physical and biological environment including energy, water, nutrients, environmental contaminants, pollinators, herbivores, predators and pathogens; competition and resource sharing; the niche and the level of ecological variation; community organization.

Note: Expected to be given in 2002–03.

Prerequisite: BS 53, Biology 17, 19 or permission of instructor.

Biology 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 observed 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.

Prerequisite: BS 53, calculus, and knowledge of statistics and probability.

Biology 155r. Biology of Insects

Catalog Number: 2346 Enrollment: Limited to 15.

Naomi E. Pierce and Brian D. Farrell

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

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, and a historical examination of the use of insects in biological control.

Prerequisite: Science B-29 or BS 50, 51, or 53 or equivalent, or permission of instructor.



[Biology 160. Forest Ecology]

Catalog Number: 4369

David R. Foster

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

Plant community organization, structure, and dynamics focusing primarily on the forest vegetation of northeastern North America. Field studies emphasize the role of natural and anthropogenic disturbance in controlling the pattern of vegetation, methods of vegetation analysis, and historical methods of vegetation reconstruction.

Note: Expected to be given in 2002–03. Includes two full weekend field trips to the Harvard Forest.

Prerequisite: BS 2 or 51 or permission of instructor.

[Biology 174r (formerly Biology 174). Topics in Behavioral Biology: Evolution of Communication]

Catalog Number: 5199

Naomi E. Pierce, David A. Haig, Marc D. Hauser, and Richard W. Wrangham

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

Major issues in behavioral biology are examined in this course, with topics to change each year. The evolution of communication will be the focus of the 2001 fall term. The course will involve invited speakers and participation of professors across disciplines.

Note: Expected to be given in 2002–03.

Prerequisite: BS 57 (formerly Biology 22), Anthropology 170, BS 25 or 80 or Science B-29 or permission of instructor.

Biology 181. Systematics

Catalog Number: 5459

Gonzalo Giribet and Charles R. Marshall

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

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 especial attention to algorithmic aspects of phylogenetics, with the use of different computer programs for conducting evolutionary and phylogenetic analyses.

Prerequisite: BS53, or permission of instructor required. *Recommended:* Familiarity with computers, especially Mac and PC platforms. Linux also recommended.

[Biology 187. Current Advances in Metazoan Diversity and Evolution]

Catalog Number: 3220

Gonzalo Giribet

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

Current discoveries of new metazoan groups, their relationships to known animals, and the newest hypotheses in metazoan evolution are examined. Background in metazoan diversity and in systematics are recommended. Newly discovered animal groups, their evolutionary significance, and their possible relationships will be presented. Examples will be drawn from various phyla including Gnathostomulida, Loricifera, Cyclophora, Micrognathozoa, and other poorly understood animals. Original literature will be discussed, emphasizing on the evolution



and relationships of the organisms presented in class.

Note: Expected to be given in 2002–03.

Primarily for Graduates

Biology 200r. A.B./A.M. Laboratory Research

Catalog Number: 3696

William M. Gelbart and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Open only to Advanced Standing Biology concentrators doing research as part of a combined A.B./A.M degree. To be taken in both the first and second semesters of the student's fourth year. Work may be directed by a member of the Biological Sciences departments (MCB: Molecular and Cellular Biology, and OEB: Organismic and Evolutionary Biology) or affiliates. Other research sponsors must be approved by the Biology Undergraduate Committee and require an MCB or OEB co-sponsor. All students must submit registration materials for Biology 200r at the time of enrollment. In the first semester, a written report of approximately 10 pages is due in duplicate in the Biology Undergraduate Office on the date indicated on the registration form. In the second semester, the honors thesis will be submitted on the date indicated on the registration form. All students enrolling in this course must submit a short thesis proposal prior to the first day of classes. The thesis proposal form is available in the Biology Undergraduate Office.

Note: Laboratory safety session required.

Biology 208. Issues in Paleobiology: Seminar

Catalog Number: 1344

Andrew H. Knoll, Stephen J. Gould, and Charles R. Marshall

Half course (spring term). M., 1–4. EXAM GROUP: 6, 7, 8

A seminar focusing on current issues in paleobiology. Examines patterns of diversification, morphological change, and extinction, as well as detailed patterns of change across selected stratigraphic boundaries.

[Biology 211r. Form, Function, and Evolution]

Catalog Number: 2056

Karel F. Liem and guest lecturers

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

Intrinsic and extrinsic determinants of form, considered from the evidence of neontological studies of vertebrates. Emphasis on current research approaches and theories. Consists of a mixture of seminars by faculty, guest lecturers, and students. Topics vary from year to year and are determined by the interests of the students.

Note: Expected to be given in 2002–03.

[Biology 212r. Advanced Topics in Plant Physiology]

Catalog Number: 2176

N. Michele Holbrook

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

A critical discussion of current research in plant physiology including measurement techniques, modeling, and experimental approaches.



Note: Expected to be given in 2002–03.

Prerequisite: Biology 120 or permission of instructor.

[Biology 214. Macroevolution of Interactions]

Catalog Number: 7040 Enrollment: Limited to 15.

Brian D. Farrell and Naomi E. Pierce

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

Focuses on current issues pertaining to the macroevolution of resource use and interspecific interactions, with emphases on insects, plants, and fungi. The goal will be to achieve a synthetic view of the evolution of ecological specialization and the evolving trophic web. Topics will include the timing, liability, and consequences of evolutionary change in traits affecting interactions (including mutualisms and antagonisms), and their implications for community structure and diversity. Readings will be of paleontological, phylogenetic, and neontological studies from primary literature and recent reviews.

Note: Expected to be given in 2002–03.

Prerequisite: BS 53 (formerly Biology 17 and 20), Biology 22 or equivalent, or permission of instructor.

Biology 221. Bacterial Diversity

Catalog Number: 1234

Colleen M. Cavanaugh

Half course (spring term). First class meeting to be held on 2/5/02 at 1 pm, subsequent meetings to be arranged.

The remarkable diversity of prokaryotes is examined. Physiological, genetic, ecological, and evolutionary characteristics of Bacteria and Archaea divisions are discussed, as well as the relation of phenotype to phylogeny.

Prerequisite: BS 1 or 50 and 2 or 51, and BS 11 or equivalent, or permission of instructor.

[Biology 224 (formerly Biology 143). Biology of the Fungi]

Catalog Number: 1308

Donald H. Pfister

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

This is an intensive course covering the morphology, classification, evolution, and diversity of the fungi, including both parasitic and saprophytic members. Attention is given to biological phenomena unique to fungi. Readings and discussion will draw from the primary literature. Students will apply a variety of techniques to study fungi in the field and in the laboratory.

Note: Expected to be given in 2002–03. At least one weekend field trip to be arranged.

Prerequisite: Biology 113 or permission of instructor.

[Biology 227. Molecular Approaches to Environmental Microbiology]

Catalog Number: 4444

Colleen M. Cavanaugh

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

Examination of the new understanding of microbial activities and biodiversity in the environment resulting from the application of cellular and molecular techniques. Critical review and discussion of advances in studies of bacterial diversity and community structure in aquatic



and terrestrial environments, uncultivable bacteria, symbiotic associations, microenvironments, and genetic and metabolic capabilities of microorganisms in their natural habitats.

Note: Expected to be given in 2002–03.

Prerequisite: Earth and Planetary Sciences 30 and BS 11 or equivalent, or permission of instructor.

***Biology 234. Topics in Marine Biology**

Catalog Number: 4637 Enrollment: Limited.

Robert M. Woollacott

Half course (spring term). W., 2:30–4:30. EXAM GROUP: 7, 8

Reproduction and dispersal of marine organisms.

Note: Weekly class meeting and several field trips and laboratories through course of term.

Biology 239r. Topics in Molecular Ecology and Evolution

Catalog Number: 8124

Stephen R. Palumbi

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

Focuses on the use of molecular genetic tools to illuminate current issues in ecology, population biology, and evolution. In even years, we will use the primary literature to explore a particular topic chosen by the course participants, including mating systems, population structure, genetic signatures of demographic history, etc. In odd years, the course will be a more basic exploration of the growing field of molecular ecology and be appropriate for advanced undergraduates.

Biology 245r (formerly Biology 245). Topics in Plants and Environments

Catalog Number: 1739

Fakhri A. Bazzaz

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 18

A discussion of recent advancements in research on plants in their environments. Presentations of research proposals. Discussions on design and execution of field and laboratory experiments and readings and discussions of important recent papers.

Prerequisite: Biology 149, equivalent, or permission of instructor.

***Biology 251. Introduction to Vertebrate Surgery**

Catalog Number: 2075 Enrollment: Limited to 16.

Arthur L. Lage (Medical School)

Half course (fall term). W., 1–5. EXAM GROUP: 6, 7, 8, 9

Teaches students 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. Course covers surgical applications for a wide variety of species including biped and quadruped mammals, ruminant and non-ruminant mammals, birds, amphibians, and reptiles; students are expected to integrate their previously learned knowledge of anatomy and physiology into the context of the whole, living animal.

Note: Intended for the student interested in the application of surgical technique in higher studies in biology and related disciplines.

Prerequisite: Comparative Anatomy, Biology 21, or equivalent course.



[Biology 252. Coalescent Theory]

Catalog Number: 0118

John R. Wakeley

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

The mathematics and computation of ancestral inference in population genetics. Theory relates observable genetic data to factors of evolution such as mutation, genetic drift, migration, natural selection, and population structure.

Note: Expected to be given in 2002–03.

Prerequisite: Biology 152 or consent of instructor: calculus and statistics or probability.

Biology 253r. Seminar in Evolutionary Genetics

Catalog Number: 8104

John R. Wakeley

Half course (fall term; repeated spring term). Fall: M., at 2; Spring: Tu., at 1. EXAM GROUP: Fall: 7; Spring: 15

Readings and discussion of primary literature in population and evolutionary genetics.

[Biology 254. Genomic Imprinting and Parent-Offspring Conflict]

Catalog Number: 9341

David A. Haig

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

A seminar course that will discuss evolutionary aspects of genomic imprinting and the related theory of parent-offspring conflict.

Note: Expected to be given in 2002–03.

[Biology 255. Nature and Regulation of Marine Ecosystems]

Catalog Number: 7753

James J. McCarthy and guest lecturers

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

A presentation of topics that are of current interest in marine ecosystems. Emphasis on identification and quantification of biological and environmental factors important in the regulation of community structure in the intertidal, deep benthic, and planktonic realms.

Note: Expected to be given in 2002–03.

Prerequisite: Biology 19 and 118.

Biology 261r (formerly Biology 261). Seminar in Evolution and Development

Catalog Number: 8451

James Hanken and Elena M. Kramer

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

Graduate seminar in evolution and development. This seminar will evaluate contemporary problems and issues in the field of evolutionary developmental biology. Weekly meetings will include student presentations based on assigned readings, plus occasional guest speakers.

Examples will be drawn from both plants and animals.

Biology 267. Topics in Symbiosis: Seminar

Catalog Number: 3859



Colleen M. Cavanaugh

Half course (fall term). First class meeting to be held 9/18/01 at 1 pm, subsequent meetings to be arranged.

Focuses on current issues in symbiosis. Emphasis on prokaryote-eukaryote associations and comparative approaches to both mutualistic and parasitic interactions. Critical review and discussion of one or a few topics of interest to participants.

Biology 268r. Topics in Plant Developmental Genetics

Catalog Number: 5020

Elena M. Kramer

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

The primary goal of this seminar is to review the current literature related to a particular topic in the field, such as floral development, embryogenesis, root development, etc. Additional goals of the course include familiarizing the participants with the both the advantages and pitfalls of molecular techniques, and acquainting students with the process of developing fundable projects which utilize molecular techniques as well as more traditional botanical approaches.

Prerequisite: Biology 120, and either BS 50, BS 52, equivalents or by permission of instructor.

***Biology 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: Open to students who satisfy the staff that they have had adequate training. Seminars, conferences, field and laboratory work at the Harvard Forest, Petersham, Massachusetts.

Graduate Courses of Reading and Research

***Biology 303. Theoretical Population Genetics**

Catalog Number: 4248

John R. Wakeley 5680

***Biology 304. Mycology**

Catalog Number: 4702

Donald H. Pfister 4344 (on leave fall term)

***Biology 305. The Fundamental Interconnectedness of All Things**

Catalog Number: 3647

David A. Haig 1629

***Biology 307. Biomechanics, Physiology and Musculoskeletal Biology**

Catalog Number: 2831

Andrew A. Biewener 1446



***Biology 308. Evolution of Floral Developmental Mechanisms**

Catalog Number: 5535

Elena M. Kramer 3791

***Biology 310. Metazoan Systematics**

Catalog Number: 3975

Gonzalo Giribet 3854

***Biology 316. Plant Population Biology**

Catalog Number: 3863

Otto T. Solbrig 3197

***Biology 320. Biomechanics and Evolution of Vertebrates**

Catalog Number: 8915

George V. Lauder 2375

***Biology 321. Paleontology and Macroevolutionary Theory**

Catalog Number: 5799

Stephen J. Gould 1707

***Biology 323. Advanced Vertebrate Anatomy**

Catalog Number: 8188

Farish A. Jenkins, Jr. 3558 (on leave spring term)

***Biology 324. Molecular Evolution**

Catalog Number: 2356

Daniel L. Hartl 3278

***Biology 325. Marine Biology**

Catalog Number: 4643

Robert M. Woollacott 4135

***Biology 334. Behavioral Ecology**

Catalog Number: 8279

Naomi E. Pierce 2889

***Biology 335. Ichthyology and Functional Anatomy of Fishes**

Catalog Number: 4640

Karel F. Liem 3843 (on leave spring term)

***Biology 339. Whole-Plant Physiology**

Catalog Number: 5214

N. Michele Holbrook 1220



***Biology 341. Coevolution**

Catalog Number: 2998

Brian D. Farrell 1985

***Biology 343. Microbial Ecology and Symbiosis**

Catalog Number: 1288

Colleen M. Cavanaugh 2538

***Biology 345. Biological Oceanography**

Catalog Number: 4676

James J. McCarthy 4343 (on leave fall term)

***Biology 348. Plant Ecology**

Catalog Number: 2885

Fakhri A. Bazzaz 7926

***Biology 355. Evolutionary Developmental Biology**

Catalog Number: 9192

James Hanken 2719

***Biology 357. Population Biology and Mathematical Biology**

Catalog Number: 5392

William H. Bossert 1049

***Biology 359. Paleobotany**

Catalog Number: 0248

Andrew H. Knoll 7425

***Biology 389. Population Biology and Evolution**

Catalog Number: 0680

Stephen R. Palumbi 2406

***Biology 390. The Profession of Biology**

Catalog Number: 5539

Stephen R. Palumbi 2406

***Biology 399. Topics in Organismic and Evolutionary Biology**

Catalog Number: 0764

George V. Lauder 2375 and Colleen M. Cavanaugh 2538

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

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.



Biological Sciences in Dental Medicine

AN HISTORICAL EDITION OF FAS COURSE SOF INSTRUCTION

Faculty of the Committee on Higher Degrees in Dental Medicine

Bjørn R. Olsen, Harvard-Forsyth Professor of Oral Biology and Hersey Professor of Cell Biology (*Dental School, Medical School*) (*Chair*)

Patricia A. D'Amore, Professor of Ophthalmology and Pathology (*Medical School*)

Floyd Everett Dewhirst, Associate Professor of Oral Biology (*Medical School*)

David E. Fisher, Associate Professor of Pediatrics (*Medical School*)

Mark C. Fishman, Professor of Medicine (*Medical School*)

Paul F. Goetinck, Professor of Anatomy and Cellular Biology and Professor of Dermatology (*Medical School*)

Peter Voorhees Hauschka, Associate Professor of Oral Biology (*Dental School*)

Elizabeth D. Hay, Louise Foote Pfeiffer Professor of Embryology (*Medical School*)

Henry Morris Kronenberg, Professor of Medicine (*Medical School*)

Andrew B. Lassar, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Yi-Ping Li, Assistant Professor of Oral Biology (*Dental School*)

Daniel E. Lieberman, Professor of Anthropology

Richard L. Maas, Associate Professor of Medicine (*Medical School*)

Mark Mercola, Associate Professor of Cell Biology (*Medical School*)

Bruce Jay Paster, Associate Professor of Oral Biology (*Dental School*)

Philip Paul Stashenko, Associate Professor of Oral Biology (*Dental School*)

Clifford J. Tabin, Professor of Genetics (*Medical School*)

Martin Arnold Taubman, Professor of Oral Biology (*Dental School*)

David Tai Wai Wong, Associate Professor of Oral Medicine and Diagnostic Sciences (*Dental School*)

The Biological Sciences in Dental Medicine (BSDM) Program, leading to the PhD degree combines faculty from the Harvard-Forsyth Department of Oral 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 newly established 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).



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*)
Lisa Faye Berkman, Florence Sprague Norman and Laura Smart Norman Professor of Health and Social Behavior and of Epidemiology (*Public Health*)
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*)
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
Nan Laird, Professor of Biostatistics (*Public Health*)
Carl N. Morris, Professor of Statistics (*on leave 2001-02*)
Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy
Dyann F. Wirth, Professor of Tropical Public Health (*Public Health*)

Faculty of the Subcommittee on the Doctor of Philosophy in Biological Sciences in Public Health

Dyann F. Wirth, Professor of Tropical Public Health (*Public Health*) (*Chair*)
Joseph D. Brain, Cecil K. and Phillip Drinker Professor of Environmental Physiology (*Public Health*)
Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology
Myron E. Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)
Thomas O. Fox, Associate Professor of Neuroscience (*Medical School*)
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
John B. Little, James Stevens Simmons Professor of Radiobiology (*Public Health*)
Bjørn R. Olsen, Harvard-Forsyth Professor of Oral Biology and Hersey Professor of Cell Biology (*Dental School, Medical School*)
Armen H. Tashjian, Jr., Professor of Toxicology, *emeritus* (*Public Health*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Walter C. Willett, Professor of Medicine (*Medical School*) and Frederick John Stare Professor of Epidemiology and Nutrition (*Public Health*)



Other Faculty Offering Instruction in Biological Sciences in Public Health

Robert B. Banzett, Associate Professor of Medicine and Associate Professor in the Department of Environmental Health (*Medical School, Public Health*)

Barry R. Bloom, Dean of the Faculty and Professor of Immunology & Infectious Diseases (*Public Health*)

Harriet A. Burge, Associate Professor of Environmental Microbiology (*Public Health*)

Barbara Burleigh, Assistant Professor of Immunology & Infectious Diseases (*Public Health*)

James N. Butler, Gordon McKay Professor of Applied Chemistry, Emeritus

Hannia Campos, Assistant Professor of Nutrition (*Public Health*)

David Christiani, Professor of Medicine (*Medical School*)

John R. David, Professor of Medicine (*Medical School*) and Richard Pearson Strong Professor of Immunology and Infectious Diseases (*Public Health*)

Timothy E. Ford, Assistant Professor of Environmental Microbiology (*Public Health*)

Jeffrey J. Fredberg, Professor of Bioengineering and Physiology (*Public Health*)

Marcia Goldberg, Associate Professor of Medicine (Microbiology and Molecular Genetics) (*Medical School*)

Beatriz Susana Gonzalez-Flecha, The Mark and Catherine Winkler Assistant Professor of Molecular Biology and Environmental Health (*Public Health*)

Michael Grusby, Associate Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Public Health*)

Donald A. Harn, Professor of Tropical Public Health (*Public Health*)

I-Cheng Ho, Assistant Professor of Medicine (*Medical School*)

David J. Hunter, Professor of Epidemiology (*Public Health*)

Phyllis J. Kanki, Professor of Pathobiology (*Public Health*)

Karl Kelsey, Professor of Occupational Medicine (*Public Health*) and Professor of Medicine (*Medical School*)

Lester Kobzik, Associate Professor of Pathology *Medical School* and Associate Professor in the Department of Environmental Health (*Public Health*)

Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)

Igor Kramnik, Assistant Professor of Immunology (*Public Health*)

Catherine A. Lee, Silas Arnold Houghton Associate Professor of Microbiology and Molecular Genetics (*Medical School*)

Tun-Hou Lee, Professor of Virology (*Public Health*)

Marc Lipsitch, Assistant Professor of Epidemiology (*Public Health*)

Carl G. Maki, Assistant Professor of Radiobiology (*Public Health*)

Joseph P. Mizgerd, Assistant Professor of Physiology and Cell Biology (*Public Health*)

Karl Münger, Associate Professor of Pathology (*Medical School*)

Mark Perrella, Assistant Professor of Medicine (*Medical School*) and Assistant Professor in the Division of Biological Sciences (*Public Health*)

Guy L. Reed III, Associate Professor of Medicine (*Medical School*) and Associate Professor of Immunology(*Public Health*)

Eric J. Rubin, Assistant Professor of Immunology and Infectious Diseases (*Public Health*)

Frank M. Sacks, Professor of Medicine (*Medical School*) and Professor in the Department of Nutrition (*Public Health*)

John C. Samuelson, Associate Professor of Tropical Public Health (*Public Health*) and Clinical



Fellow in Pathology (*Medical School*)

Steven A. Shea, Assistant Professor in the Department of Environmental Health (*Public Health*) and Assistant Professor of Medicine (*Medical School*)

Stephanie A. Shore, Associate Professor of Physiology (*Public Health*)

Joseph G. Sodroski, Professor of Pathology (*Medical School*) and Professor of Cancer Biology (*Public Health*)

Ali A. Sultan, Assistant Professor of Immunology and Infectious Diseases (*Public Health*)

Ning Wang, Assistant Professor of Physiology and Cell Biology (*Public Health*)

Marianne Wessling-Resnick, Professor of Nutrition (*Public Health, Medical School*)

Dieter Wolf, Assistant Professor of Toxicology (*Public Health*)

Xiping Xu, Associate Professor of Occupational Epidemiology (*Public Health*) and Associate Professor of Medicine (*Medical School*)

Zhi-Min Yuan, Assistant Professor of Radiobiology (*Public Health*)

See other courses in the School of Public Health catalog.

Primarily for Graduates

***BPH 205. Introduction to Cancer Biology**

Catalog Number: 6234 Enrollment: Limited to 30.

Carl G. Maki (*Public Health*)

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

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.

Prerequisite: College-level course in biology required.

BPH 206. Advanced Respiratory Physiology

Catalog Number: 1049

Stephanie A. Shore (*Public Health*)

Half course (fall term). M., W., 9–10:20.

Covers a broad range of topics in respiratory physiology including: lung structure, volume and flow mechanics, surfactant function, gas exchange, lung and chest wall interaction. Special topics may include pulmonary circulation, lung endocrine functions, airway physiology and pharmacology. Reviews classic concepts and presents some recent advances.

Note: Offered jointly with the School of Public Health as EH 223ab. Offered jointly with the Medical School as BPH 735.0.

Prerequisite: College-level physiology and EH 205ab or equivalent or signature of instructor indicating suitable background required.

BPH 207. Advanced Topics in Physiology

Catalog Number: 2146

Jeffrey J. Fredberg (*Public Health*)

Half course (spring term). M., 10:30–12:20, W., 3:30–5:20. EXAM GROUP: 3, 4, 5, 8, 9

Focus on special topics in lung biology. Emphasis is on the fundamental physical basis and



quantitative description of chemical, electrical, and mechanical signaling within the cell. Specific topics 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 225cd.

BPH 208. Human Physiology

Catalog Number: 3627

Nancy Long Sieber and Stephanie A. Shore (Public Health)

Half course (fall term). M., F., 10:30–12:20.

Introduction to the principles governing function in the human body—course designed to provide a framework in physiology for future public health researchers and professionals who have not taken college level physiology. Emphasis placed on concept of homeostasis and integrative aspects of physiology.

Note: Lectures, laboratories. Two 2-hour sessions each, including 2 laboratory meetings. Offered jointly with the Medical School as BPH 728.0 and with the School of Public Health as EH 205ab.

Prerequisite: College level introductory biology or permission of the instructor is required.

BPH 210. Pathophysiology of Human Disease

Catalog Number: 3078

Lester Kobzik (Public Health)

Half course (spring term). M., F., 1:30–3:20. EXAM GROUP: 6, 7, 8

Surveys common and important human disease problems in the major organ systems. Emphasis on understanding the pathophysiologic basis of typical disease manifestations and the pathogenesis of the disease process at a molecular and cellular level. Relevant public health perspectives on the epidemiology or control of disease are also integrated.

Note: Offered jointly with the Medical School as BPH 729.0, and with the School of Public Health as DBE 208cd.

Prerequisite: College-level physiology, EH 205ab, or equivalent.

***BPH 212. Cellular and Molecular Biology of Parasites**

Catalog Number: 0703 Enrollment: Limited to 35.

Barbara Burleigh (Public Health), Ali A. Sultan (Public Health), Members of the department, and Guest Lecturers

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

Covers aspects of biochemistry, cell and molecular biology of protozoan parasites of man (e.g. malaria, toxoplasma, leishmania, trypanosomes, amebae, giardia, and trichomonads). Includes discussions on mechanisms of pathogenesis, unique parasite biochemistry and organelles, molecular basis of antigenic variation, and population genetics.

Note: Offered in alternate years. Offered jointly with the Medical School as BPH 721.0 and with the School of Public Health as IMI 216cd (formerly TPH 216cd).

Prerequisite: Suitable course in biochemistry, genetics, or microbiology required.

[BPH 213. Cell Response to Mutagens and Carcinogens]

Catalog Number: 0932



Bruce F. Demple (Public Health)

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

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). Emphasis on critical analysis of research papers and active class participation. Written assignments in developing relevant research projects (mini-grant proposals).

Note: Expected to be given in 2002–03. Given in alternate years. Offered jointly with the Medical School as BPH 723.0 and the School of Public Health as CCB 250cd. Contact instructor at 432-3462.

Prerequisite: Advanced/graduate courses in biochemistry, cell biology, or genetics.

BPH 215. Principles of Toxicology

Catalog Number: 5366

Dieter Wolf (Public Health) and Donald K. Milton (Public Health)

Half course (fall term). Tu., Th., 1:30–3:20.

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 Medical School as BPH 713.0 and with the School of Public Health as CCE 204ab.

Prerequisite: Organic chemistry and mammalian physiology or equivalents required. Required lab.

[*BPH 216. Immunology of Infectious Diseases]

Catalog Number: 6938 Enrollment: Limited to 35.

Donald A. Harn (Public Health)

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

Covers in detail the interactions of pathogens with the host immune system, from pathogen invasion to pathogenesis. Lecture topics include: the role of secretory immune system; innate immunity mediated through the “collectins”; how pathogens regulate the host immune response; pathogen evasion of immune effect or mechanisms; polarization of CD4⁺ T helper cell subsets and relationship to disease outcome; co-infection with HIV and other pathogens; mechanisms of immunopathogenesis; and development of vaccines. Viral, bacterial and parasitic pathogens are covered in the course.

Note: Expected to be given in 2002–03. Offered in alternate years. Offered jointly with the HMS as BPH724.0 and the School of Public Health as IMI208cd. Each lecture requires reading several relevant papers and completion of a problem set.

Prerequisite: Course in immunology required.

***BPH 219. Biological Sciences Seminars**

Catalog Number: 1152

Michael Grusby (Public Health) and I-Cheng Ho (Medical School)

Half course (fall term). Tu., Th., 8:30–10:20 a.m. EXAM GROUP: 10, 11, 12



Faculty participating in the Biology and Public Health degree program 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 205ab.

BPH 222. The Science of Human Nutrition

Catalog Number: 0216

Frank M. Sacks, Clifford Lo (Medical School) and members of the Faculty

Half course (spring term). Tu., Th., 1:30–3:20.

Reviews the biochemistry of carbohydrates, fats, proteins, vitamins, and minerals in the context of human disease. 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: NUT 201ab is strongly recommended; prior familiarity with nutrition and the health sciences is expected, as is a basic knowledge of biochemistry and human physiology. Offered jointly with the Medical School as BPH 733.0, and with the School of Public Health as NUT 202cd.

Graduate Courses of Reading and Research

***BPH 300r. Laboratory Rotations**

Catalog Number: 8441

Dyann F. Wirth (Public Health) 2492 and Marianne Wessling-Resnick (Public Health, Medical School) 1315 (spring term only)

Half course (fall term; repeated spring term). Hours to be arranged.

Members of the Division of Biological Sciences offer hands-on experimental methods of research in the biological sciences.

Note: Offered jointly with the School of Public Health as DBS 300ab, DBS 300cd.

***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 306. Circadian and Sleep Physiology and Disorders**

Catalog Number: 2730

Steven A. Shea (Public Health, Medical School) 1309



***BPH 307. Cellular Defenses Against Oxygen Radical Damage**

Catalog Number: 2758

Bruce F. Demple (Public Health) 7853

***BPH 311. Molecular Mechanisms of Control of the Biosynthesis, Secretion, and Action of Polypeptide Hormones**

Catalog Number: 2757

Armen H. Tashjian, Jr. (Public Health, Medical School) 2071

***BPH 312. Regulation of the Cellular Uptake of Macromolecular Nutrients**

Catalog Number: 2736

Marianne Wessling-Resnick (Public Health, Medical School) 1315

BPH 313. Mechanisms of Drug Resistance in *Entamoeba histolytica

Catalog Number: 2681

John C. Samuelson (Public Health, Medical School) 1618

***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 321. Mechanical Mechanisms of Cytoskeleton and its Regulatory Role in Cell Growth and Migration**

Catalog Number: 5552

Ning Wang (Public Health) 2737

***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 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, Medical School) 1315

A series of discussion and seminars each running for a half semester (7-8 weeks). Two seminars, which can be taken in different semesters, are required for half course credit.

***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 333. Nature, Prevalence, Health Effects, and Control of Airborne Biological Agents**

Catalog Number: 1556

Harriet A. Burge (Public Health) 2761

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 335. The Biology of Cytokines and the Control of Parasitic Infections**

Catalog Number: 9204

John R. David (Public Health, Medical School) 3592

***BPH 336. Study of Human and Primate T-lymphotrophic Retroviruses Including Agents that Cause AIDS**

Catalog Number: 3248

Myron E. Essex (Public Health) 2499



***BPH 337. Environmental Pollution, Waterborne Disease, Pathogen Survival**

Catalog Number: 5110

Timothy E. Ford (Public Health) 1525

***BPH 338. Sexual Differentiation of the Brain: Hormonal and Genetic Determinants**

Catalog Number: 4954

Thomas O. Fox (Medical School) 4542

***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

***BPH 344. Differentiation and Activation of Helper T Cells**

Catalog Number: 2319

I-Cheng Ho (Medical School) 2764

***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 347. Bacterial Pathogenesis, Virulence Gene Regulation, Salmonella Invasion**

Catalog Number: 0567

Catherine A. Lee (Medical School) 3259



***BPH 348. Human and Related Primate Retroviruses**

Catalog Number: 3024
Tun-Hou Lee (Public Health) 2769

***BPH 350. Radiation Mutagenesis and Carcinogenesis; Genetic Instability**

Catalog Number: 9227
John B. Little (Public Health) 1427

***BPH 351. Stability and Ubiquitination of Cell Cycle Regulatory Proteins**

Catalog Number: 4657
Carl G. Maki (Public Health) 2773

***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 355. Cytokine Regulation of Vasoactive Mediators in the Pathogenesis of Septic Shock**

Catalog Number: 9398
Mark Perrella (Public Health, Medical School) 2774

***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 361. Genetic Dissection of Complex Diseases**

Catalog Number: 1537

Xiping Xu (Public Health, Medical School) 2785

***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 367. Biochemistry and Molecular Pathogenesis of Parasites**

Catalog Number: 8906

Ali A. Sultan (Public Health) 3845

BPH 368. Host-pathogen Interactions of *Shigella

Catalog Number: 6995

Marcia Goldberg (Medical School) 3783

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, Professor of Molecular and Cellular Biology and Professor of Physics
Stephen C. Blacklow, Assistant Professor of Pathology (*Medical School*)
George M. Church, Professor of Genetics (*Medical School*)
Thomas E. Ellenberger, Hsien Wu and Daisy Yen Wu Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
David R. Liu, Assistant Professor of Chemistry and Chemical Biology
Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology
Gregory L. Verdine, Harvard College Professor and Professor of Chemistry
Gerhard Wagner, Elkan Blout Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Don C. Wiley, John L. Loeb Professor of Biochemistry and Biophysics, Tutor in Biochemical Sciences (*on leave 2001-02*)

Other Faculty Offering Instruction in Biophysics

John A. Assad, Assistant Professor of Neurobiology (*Medical School*)
Frederick Ausubel, Professor of Genetics (*Medical School*)
William H. Bossert, David B. Arnold, Jr. Professor of Science
Daniel Branton, Higgins Research Professor of Biology
Lewis C. Cantley, Professor of Cell Biology (*Medical School*)
David E. Clapham, Professor of Neurobiology (*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*)
Bruce F. Dimple, Professor of Toxicology (*Public Health*)
John E. Dowling, Harvard College Professor and Gordon and Llura Gund Professor of Neurosciences (*on leave fall term*)
Michael J. Eck, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology
Christin A. Frederick, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Walter Gilbert, Carl M. Loeb University Professor (*on leave 2001-02*)
David E. Golan, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Jene A. Golovchenko, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)
Edward E. Harlow, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Stephen C. Harrison, Higgins Professor of Biochemistry



J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
 Martin Karplus, Theodore William Richards Research Professor of Chemistry
 Tomas Kirchhausen, Professor of Cell Biology (*Medical School*)
 Nancy Kleckner, Herchel Smith Professor of Molecular Biology
 Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
 David R. Liu, Assistant Professor of Chemistry and Chemical Biology
 Jun S. Liu, Professor of Statistics
 Tom Maniatis, Thomas H. Lee Professor of Molecular and Cellular Biology
 Keith W. Miller, Mallinckrodt Professor of Pharmacology (*Medical School*)
 Timothy J. Mitchison, Hasib Sabbagh Professor of Cell Biology (*Medical School*)
 Venkatesh N. Murthy, Assistant Professor of Molecular and Cellular Biology, Tutor in
 Biochemical Sciences
 Mara Prentiss, Professor of Physics (*on leave spring term*)
 Tom Rapoport, Professor of Cell Biology (*Medical School*)
 Frederick P. Roth, Assistant Professor of Biological Chemistry and Molecular Pharmacology
 (*Medical School*)
 Gary B. Ruvkun, Professor of Genetics (*Medical School*)
 Bruce J. Schnapp, Associate Professor of Cell Biology (*Medical School*)
 Stuart L. Schreiber, Morris Loeb Professor of Chemistry and Chemical Biology
 Brian Seed, Professor of Genetics (*Medical School*)
 Steven E. Shoelson, Associate Professor of Medicine (*Medical School*)
 Pamela A. Silver, Professor of Biological Chemistry and Molecular Pharmacology (*Medical
 School*)
 Jack Szostak, Professor of Genetics (*Medical School*)
 John R. Wakeley, Assistant Professor of Biology
 Thomas Walz, Assistant Professor of Cell Biology (*Medical School*)
 George M. Whitesides, Mallinckrodt Professor of Chemistry and Chemical Biology
 Wing H. Wong, Professor of Statistics (*FAS*) and Professor of Computational Biology (*Public
 Health*)
 Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology
 Gary I. Yellen, Professor of Neurobiology (*Medical School*)
 Xiaowei Zhuang, Assistant Professor of Chemistry and Chemical Biology and of Physics

Biophysics students should consult course listings from the departments of Biology, Chemistry
 and Chemical Biology, Physics, Molecular and Cellular Biology (formerly) Biochemistry and
 Molecular Biology, Applied Mathematics, the Division of Engineering and Applied Sciences,
 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 (fall term). Tu., 12–2; Tu., 5:30–7:30 p.m. and nine additional sections to be
 arranged. EXAM GROUP: 14, 15

Assesses the relationships between sequence, structure and function in complex biological



networks as well as progress in realistic modeling of quantitative, comprehensive functional-genomics analyses. Topics include algorithmic, statistical, database, and simulation approaches and practical applications to biotechnology, drug discovery and genetic engineering. Future opportunities and current limitations will be critically assessed. Problem sets and a course project emphasize creative, hands-on analyses using these concepts.

Prerequisite: Basic understanding of molecular biology, statistics, and computers.

Biophysics 164r (formerly Biophysics 151r). Molecular Biophysics and Biophysical Chemistry: Theory and Simulation of Macromolecules

Catalog Number: 7317 Enrollment: Limited to 18.

Eugene I. Shakhnovich

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

Introduction to the principles of macromolecular structure, folding and dynamics, with emphasis on structure-function relationship. Principles of protein folding and molecular evolution.

Molecular dynamics and other simulation approach to protein dynamics, enzymatic function and folding. Empirical and knowledge-based energy functions for structure prediction and design. Examples include: prediction of protein structure using ab initio and bioinformatics approaches, theory of random and designed heteropolymers with application to protein folding and design, molecular recognition, rational drug design.

Note: Offered in alternate years. It is suggested that students enroll in Chemistry 164 when this course is bracketed. Cannot be taken for credit by students who have completed Chemistry 164.

Prerequisite: Biological Sciences 11 or 54 and one of the following: Chemistry 160, MCB 61, Physics 143, or permission of instructor.

Cross-listed Courses

Applied Mathematics 147. Non-linear Dynamical Systems

Biology 152. Population Genetics

Chemistry 160. Physical Chemistry

Chemistry 163. Molecular Biophysics and Biophysical Chemistry: Structure and Conformational Dynamics of Bio-macromolecules

[Chemistry 170. Chemical Biology]

Engineering Sciences 145. Introduction to Systems Analysis with Physiological Applications

Engineering Sciences 148. Neural Signal Processing

[MCB 112. Structure and Function of Proteins and Nucleic Acids]

[MCB 114. Structure and Function of Membrane Proteins]

MCB 129. Molecular Genetics of Neuronal Development

[MCB 138. Function of Neural Systems]

MCB 140. Introduction to Biophysics

MCB 141. Molecular and Developmental Neurobiology

MCB 150. Developmental Genetics and Genomics

***MCB 155. Molecular Mechanisms of Gene Control**

MCB 169. Molecular and Cellular Immunology

MCB 176. Biochemistry of Membranes



[MCB 177. Macromolecular Assemblies in Genetic Processes]
[Mathematics 115. Methods of Analysis and Applications](#)

Primarily for Graduates

[Biophysics 242r \(formerly Biophysics 242\). Special Topics in Biophysics](#)

Catalog Number: 6011

Members of the Committee

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

This year the focus will be on Information Theory and Neural Systems. The course is directed by Dr. Garrett B. Stanley and will examine information theory and its application to the analysis of neural spike trains.

Cross-listed Courses

[Applied Mathematics 201. Complex Function Theory with Applications](#)

[Applied Mathematics 202. Partial Differential and Integral Equations]

[BCMP 201. Proteins: Structure, Function and Catalysis](#)

[BCMP 228. Macromolecular Crystallography and NMR]

[Cell Biology 201. Molecular Biology of the Cell](#)

[Cell Biology 211b. Growth Factors and Signal Transduction]

[Chemistry 240. Statistical Mechanics](#)

[Chemistry 242. Quantum Mechanics I](#)

[Chemistry 245. Single-molecule Biophysics](#)

[Genetics 201. Principles of Genetics](#)

[MCB 212. Topics in Biophysics]

[Neurobiology 200. Introduction to Neurobiology](#)

[Neurobiology 204. Neurophysiology of Central Circuits](#)

Graduate Courses of Reading and Research

***Biophysics 300r. 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., 4:30–5:30.

Introductory lectures by faculty members associated with the Biophysics program. Lectures are accompanied by three periods of instruction in laboratories of structural molecular biology, cell and membrane biophysics, molecular genetics and development, physical biochemistry, neurobiology and bioinformatics. Students normally spend each laboratory period in a different field. It is possible to undertake a suitable problem in mathematical biophysics in place of one of the three fields.

***Biophysics 302. Molecular Biology**

Catalog Number: 8772

Walter Gilbert 1306 (on leave 2001-02)



***Biophysics 303. NMR Studies of Macromolecular Structure and Function**

Catalog Number: 6135

Gerhard Wagner (Medical School) 2626

***Biophysics 309. Motile Behavior of Bacteria**

Catalog Number: 2070

Howard C. Berg 1377

***Biophysics 310. Structural Molecular Biology**

Catalog Number: 7980

Don C. Wiley 3598 (on leave 2001-02)

***Biophysics 311. Digital Computer Applications in Biophysics**

Catalog Number: 7606

William H. Bossert 1049

***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 3597

***Biophysics 317. Biophysical Aspects of the Visual System**

Catalog Number: 4770

John E. Dowling 3545 (on leave fall term)

***Biophysics 318. Mechanisms of Circadian Rhythms, Bioluminescence**

Catalog Number: 4699

J. Woodland Hastings 1311

***Biophysics 321. Molecular and Mechanical Analysis of Chromosomes**

Catalog Number: 7297

Nancy Kleckner 4697

***Biophysics 322. Theoretical Studies of the Structure, Functions, and Dynamics of Molecules of Biological Interest**

Catalog Number: 6525

Martin Karplus 1361

***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 328. X-Ray Crystallographic Studies of Macromolecular Structures**

Catalog Number: 4010

Christin A. Frederick (Medical School) 2614

***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

Tom Maniatis 7231

***Biophysics 337. Membrane Structure and Function**

Catalog Number: 1800

Keith W. Miller (Medical School) 4124

***Biophysics 338. Redox Signaling and Repair of Oxidative DNA Damage**

Catalog Number: 4755

Bruce F. Demple (Public Health) 7853

***Biophysics 340. Membrane Organization and Protein-Protein Interactions in the Membrane Skeleton**

Catalog Number: 7506

Daniel Branton 4139

***Biophysics 341. Structure and Function of Ligand-Gated Ion Channels**

Catalog Number: 7567

Jonathan B. Cohen (Medical School) 1120

***Biophysics 343. Theory of Protein Folding and Design**

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 352. Structure and Mechanism of DNA Replication and Repair Enzymes**

Catalog Number: 2914

Thomas E. Ellenberger (Medical School) 1643

***Biophysics 353. Molecular Genetics of Development**

Catalog Number: 5016

Gary B. Ruvkun (Medical School) 1366

***Biophysics 354. Structural and Chemical Biology**

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 359. Vesicular Transport; Molecular Motors**

Catalog Number: 7012

Bruce J. Schnapp (Medical School) 2948

***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. Structural 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. Intracellular Signal Transduction**

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. Experimental Condensed Matter Physics**

Catalog Number: 1400

Jene A. Golovchenko 1986 (on leave spring term)

***Biophysics 369. Organic Chemistry and Chemical Biology**

Catalog Number: 6337

David R. Liu 2717

***Biophysics 370. Cytoskeleton Dynamics; Mitosis and Cell Locomotion; Small Molecule Inhibitors**



Catalog Number: 8034
Timothy J. Mitchison (Medical School) 3713

***Biophysics 371. Mechanisms of Synaptic Transmission and Plasticity**

Catalog Number: 2326
Venkatesh N. Murthy 2424

***Biophysics 372. Protein Transport Across the ER Membrane**

Catalog Number: 6922
Tom Rapoport (Medical School) 1815

***Biophysics 373. Computational Molecular Biology**

Catalog Number: 5267
Frederick P. Roth (Medical School) 3912

***Biophysics 374. High-Resolution Electron Microscopy**

Catalog Number: 8225
Thomas Walz (Medical School) 3778

***Biophysics 375. Single-Molecule Biophysics**

Catalog Number: 7900
Xiaoliang Sunney Xie 2290

***Biophysics 376. Computational Methods in the Study of DNA-Protein Interactions**

Catalog Number: 2254

***Biophysics 377. Stochastic Processes: Probability Theory and Statistical Inference**

Catalog Number: 4768
Jun S. Liu 3760

***Biophysics 378. Structural and Cellular Biology of Insulin Signal Transduction**

Catalog Number: 4856
Steven E. Shoelson (Medical School) 3951

***Biophysics 379. Theoretical Population Genetics**

Catalog Number: 2274
John R. Wakeley 5680

***Biophysics 380. Microarray Data: Issues and Challenges**

Catalog Number: 4402
Wing H. Wong 3759

***Biophysics 381. Single-Molecule Biophysics**

Catalog Number: 3046
Xiaowei Zhuang 3991



Business Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Business Studies

George P. Baker, Professor of Business Administration (*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

Adam M. Brandenburger, Professor of Business Administration (*Business School*) (*Chair*)

George P. Baker, Professor of Business Administration (*Business School*)

John Y. Campbell, Otto Eckstein Professor of Applied Economics

Oliver S. Hart, Andrew E. Furer Professor of Economics

Paul Murray Healy, James R. Williston Professor of Business Administration (*Business School*)

Alvin E. Roth, George Gund Professor of Economics and Business Administration

Subcommittee on the Degree of Doctor of Philosophy in Information Technology and Management

Marco Iansiti, Professor of Business Administration (*Business School*) (*Co-chair*)

H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering (*Co-chair*) (*on leave spring term*)

George P. Baker, Professor of Business Administration (*Business School*)

Paul Murray Healy, James R. Williston Professor of Business Administration (*Business School*)

John W. Hutchinson, Abbott and James Lawrence Professor of Engineering

Michael O. Rabin, Thomas J. Watson, Sr. Professor of Computer Science

David Mark Upton, Albert J. Weatherhead III Professor of Business Administration (*Business School*) (*Acting Chair*)

Subcommittee on the Degree of Doctor of Philosophy in Organizational Behavior

Peter V. Marsden, Professor of Sociology (*Acting Chair*)

Teresa M. Amabile, Edsel Bryant Ford Professor of Business Administration (*Business School*)

George P. Baker, Professor of Business Administration (*Business School*)

J. Richard Hackman, Cahners-Rabb Professor of Social and Organizational Psychology



Paul Murray Healy, James R. Williston Professor of Business Administration (*Business School*)
 Jay W. Lorsch, Louis E. Kirstein Professor of Human Relations (*Business School*)
 Michael Tushman, Paul R. Lawrence MBA Class of 1942 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. The programs are intended for students who wish to enter careers in scholarship and advanced research.

Each September the Committee publishes Business Studies at Harvard, a Guide to Courses, Faculty and Programs. A printed version of the guide is available at the GSAS Dean's Office, Byerly Hall, 8 Garden Street and at HBS Doctoral Program Office, Sherman Hall. The guide is available at the following web site and is distributed at FAS Registration. www.hbs.edu/doctoral.

Primarily for Graduates

Business Studies 2000ab. Management and Markets: Organizational Economics and Finance

Catalog Number: 5800 Enrollment: Limited to 36.

George P. Baker (Business School) and members of the HBS faculty.

Half course (spring term). M., W., F., 12:30–2. EXAM GROUP: 5, 6

The course will expose students to the classic works in administrative theory, recent work on organizational processes, the management of change and the management of technology. The course will cover theories of human motivation and human interaction from numerous perspectives.

Note: Offered jointly with the Business School as 4001/4002.

Business Studies 2000cd. Management and Markets: Human Behavior and Administration

Catalog Number: 3946 Enrollment: Limited to 36.

George P. Baker (Business School) and members of the HBS faculty

Half course (fall term). M., W., F., 12:30–2. EXAM GROUP: 5, 6

This course will cover the foundations of corporate strategy and organizational design as informed by industrial and organizational economies; In the second part, we will look at the functioning of modern capital markets, and the interactions of firms within this market.

Note: Jointly offered with the Business School as 4003/4004.

Business Studies 2110. The Foundations of Strategy

Catalog Number: 2784 Enrollment: Limited to 36.

Kenneth S. Corts (Business School)

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

This new course will focus on the application of contemporary thinking about microeconomics and, particularly, industrial organization, to business strategy. The perspective taken, however, will emphasize issues associated with business administration and research in that area.



Note: Offered jointly with the Business School as 4110.

Prerequisite: Economics 2010a, or the equivalent.

Business Studies 2120. Game Theory

Catalog Number: 8305 Enrollment: Limited to 36.

Adam Brandenburger (Business School)

Half course (spring term). Th., F., 1–2:30. EXAM GROUP: 6, 7, 15, 16

This course is a broad coverage of game theory, including: non-cooperative and cooperative games; rationality and irrationality; first- and second-mover advantages; measures of bargaining power; conditions for efficiency and inefficiency in bargaining games; and links between games. The course will emphasize applications to business-strategy concepts, such as positioning, judo, bundling, and innovation.

Note: Offered jointly with the Business School as 4120. Open to advanced undergraduates with permission of instructor.

Business Studies 2130. Institutional Foundations of Capitalism

Catalog Number: 3619 Enrollment: Limited to 36.

David Abraham Moss (Business School) and I J Alexander Dyck (Business School)

Half course (spring term). M., 3–6. EXAM GROUP: 8, 9

Examines the institutional foundations of a market economy and explores new approaches to institutional research. This year we will focus on institutions of corporate governance and risk management.

Note: Scholars will deliver papers in a conventional seminar format and then meet exclusively with students for an hour. Offered jointly with the Business School as 4130.

Business Studies 2140. Information and Network Economics

Catalog Number: 1350

Charles King (Business School)

Half course (spring term). M., W., F., 3–4:30. EXAM GROUP: 8, 9

This is a new course, designed as an introduction to the economics of information and networks supplemented by how firms design information products and how organizations distribute and generate information. It covers four major topics: (1) concepts of information and how to measure it, (2) how individual rational actors use information and make choices under uncertainty, (3) how information goods differ from tangible goods, and (4) how different governance mechanisms affect information creation and distribution.

Note: Offered jointly with the Business School as 4140.

Prerequisite: Economics 2010, 2020 or the equivalent; can be taken concurrently. Knowledge of multivariate calculus and basic principles of computer science.

[Business Studies 2310. Policy and Management: Theory and Application]

Catalog Number: 9281 Enrollment: Limited to 36.

Joseph L. Bower (Business School)

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

The readings in this new course cover related literatures of policy formulation and implementation, organization development and learning, and governance, in the context of rapidly evolving fields such as the management of innovation and application of modern



information technology. Wherever possible, the perspective will be comparative. Building on classics in the field, the course will deal with contemporary topics such as rapid growth, knowledge sharing and virtual organizations. The readings are complemented by case studies so that classes will deal with theory and application.

Note: Expected to be given in 2002–03. Offered jointly with the Business School as 4310.

Business Studies 2540. The Management of Technological Innovation

Catalog Number: 8573 Enrollment: Limited to 36.

Lee Fleming (Business School)

Half course (fall term). Tu., Th., 4–5:30. EXAM GROUP: 18

This new course explores a range of topics and themes associated with technological innovation. It is designed to provide doctoral students with a relatively comprehensive overview of the important streams of literature in the innovation field. This course is inter-disciplinary in focus and includes perspectives from operations, management, and organizational theory.

Note: Offered jointly with the Business School as 4540.

Business Studies 2630. Consumer Behavior

Catalog Number: 5513 Enrollment: Limited to 36.

John Timothy Gourville (Business School)

Half course (fall term). Tu., 3–6. EXAM GROUP: 17, 18

This new course will provide a research overview of the field of consumer behavior and consumer decision making. Drawing principally from research papers from the fields of economics, psychology, and sociology, the course will cover topics including persuasion and attitude formation, emotion and affect, learning and memory, and behavioral decision making.

Business Studies 2810. Business History Seminar

Catalog Number: 3157 Enrollment: Limited to 36.

Thomas K. McCraw (Business School)

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

Business History, Economic Theory, and Biography cut across disciplines, and the central question is this: does a theorist's biography tell us anything about the theory itself? Theorists include Keynes, Schumpeter, Ronald Coase, and more recent Nobel Laureates.

Note: Offered jointly with the Business School as 4810. The theme for the Seminar will be Business History, Economic Theory, and Biography. Both HBS faculty and professors from other universities will present panels and papers on this theme.

Graduate Courses of Reading and Research

***Business Studies 3000. Direction of Doctoral Dissertations**

Catalog Number: 6863

George P. Baker (Business School) 3834, Adam M. Brandenburger (Business School) 2177, Richard E. Caves 1414, and Paul Murray Healy (Business School) 3838

Cross-listed Courses



[*Economics 2020a. Microeconomic Theory I](#)
[*Economics 2020b. Microeconomic Theory II](#)
[Economics 2040. Experimental Economics](#)
[Economics 2727 \(formerly Economics 2427\). Topics in Empirical Corporate Finance](#)
[Economics 2730 \(formerly Economics 2430\). Asset Pricing II](#)
[*Psychology 2100. Research Methodology](#)

Celtic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Celtic Languages and Literatures

Patrick K. Ford, Margaret Brooks Robinson Professor of Celtic Languages and Literatures
(Chair)

Kathryn Ann Chadbourne, Lecturer on Celtic Languages and Literatures

Gene C. Haley, Lecturer on Celtic Languages and Literatures, Associate of the Department of Celtic Languages and Literatures

Barbara L. Hillers, Assistant Professor of Celtic Languages and Literatures

Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies (*Director of Graduate Studies*)

Other Faculty Offering Instruction in the Department of Celtic Languages and Literatures

Calvert Watkins, Victor S. Thomas Professor of Linguistics and the Classics

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

Patrick K. Ford and 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 106. Folklore of Ireland]

Catalog Number: 3966

Barbara L. Hillers

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

An introduction to the oral literature of Ireland. We will read folk- and hero-tales, work-songs and love-songs, fairy legends, charms and prayers—placing them within the context of daily life, belief, and performance. Themes will include: understanding oral literature; the relationship of “art” and function; and women’s folklore.

Note: Expected to be given in 2004–05. Knowledge of Irish helpful but not required; all texts will be read in English translation.

Celtic 107. Early Irish History

Catalog Number: 7976

Gene C. Haley

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

An introduction to the sources for the history of Ireland before 1167 A.D. Through native annals, regnal lists, genealogies, laws, martyrologies, related literary and hagiographic works, pseudo-historical documents, and archaeological evidence, this course will examine the major social, political, military, religious, and cultural developments from roughly the third century A.D. to the eve of the Norman Invasion.

Note: Expected to be omitted in 2002–03. No Knowledge of Irish required; all texts will be 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

This course explores the ways gender, genre, and tradition intersect in Gaelic poetry from the Middle Ages to today. After an excursion into early medieval literature, we will focus on three types of poetry in particular: (1) the work of aristocratic practitioners such as Isabel Countess of Argyll, (2) the traditionally female genres, including waulking songs, laments and lullabies, which were composed, transmitted, and performed by women, and (3) contemporary women’s poetry which has succeeded in creating a new sense of ‘female’ poetry.

Note: Expected to be omitted in 2002–03. This course will be of particular interest to students with a background in Irish or Scottish Gaelic, but no knowledge of either language is necessary. All texts will be read in English translation.

Celtic 114. Early Irish Historical Tales

Catalog Number: 0781

Tomás Ó Cathasaigh

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

Introduction to early Irish story-material about legendary and historical persons and events. Attitudes to kingship and views of history in the tales will be explored.

Note: Expected to be omitted in 2002–03. All texts will be read in English translation.



[Celtic 124. Modern Irish Literature]

Catalog Number: 7084

Barbara L. Hillers

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

A survey of 20th-century prose and poetry in Irish, from its partisan beginnings to the work of acclaimed contemporary authors. We shall look at a few of the more important novels, and particularly at short stories by Ó Conaire, Ó Flaithearta, and Ó Cadhain. Poetry came into its own in the second half of the 20th century with such outstanding poets as Máirtín Ó Direáin and Seán Ó Ríordáin, and we shall finish our survey with the contemporary poetry of Nuala Ní Dhomhnaill and others.

Note: Expected to be given in 2002–03. Knowledge of Irish helpful, but not required. All texts will be read in English translation.

Celtic 128. Introduction to Modern Welsh

Catalog Number: 4148

Patrick K. Ford 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 2002–03. It is suggested that this course be followed by Celtic 129r.

Celtic 129r. Intermediate Modern Welsh

Catalog Number: 4694

Patrick K. Ford 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 2002–03.

Prerequisite: Celtic 128 or permission of instructor.

[*Celtic 130. Introduction to Scottish Gaelic]

Catalog Number: 1846 Enrollment: Limited to 15.

Barbara L. Hillers and others

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

An introduction to the spoken and written language.

Note: Expected to be given in 2002–03. It is suggested that this course be followed by Celtic 131.

[*Celtic 131. Intermediate Scottish Gaelic]

Catalog Number: 4542 Enrollment: Limited to 15.

Barbara L. Hillers and others

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

A continuation of the fall term course.

Note: Expected to be given in 2002–03.

Prerequisite: Celtic 130 or equivalent.



***Celtic 132. Introduction to Modern Irish**

Catalog Number: 6725 Enrollment: Limited to 15.

Kathryn Ann Chadbourne

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

Introduction to speaking, reading, and writing Modern Irish. The class aims to build up students' confidence in using the language as a medium of communication.

Note: It is suggested that this course be followed by Celtic 133r.

***Celtic 133r. Intermediate Modern Irish**

Catalog Number: 6689 Enrollment: Limited to 15.

Barbara L. Hillers

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

Development of oral competence and writing skills; an exploration of the oral and literary tradition.

Prerequisite: Celtic 132 or permission of instructor.

Celtic 138r. The Mabinogi

Catalog Number: 6480

Kathryn Ann Chadbourne

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

A study of the prose and literature of medieval Wales, focusing on the Four Branches, the early Arthurian tales and associated works. The class will consider the texts as folklore, as myth, and as literature, especially addressing the ways in which assumptions about genre affect the reading produced. Supplemental readings will address theoretical approaches to myth, folklore, and literature.

Note: Expected to be omitted in 2002–03. Knowledge of Welsh helpful but not required; all texts will be read in English translation.

Celtic 150. Celtic Paganism

Catalog Number: 6589

Patrick K. Ford

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

A survey of the evidence relating to the beliefs, gods, cults, and druidic priest class of the pagan Celts, both continental and insular. Materials studied include the commentaries of Greek and Roman ethnographers, the archaeological record, and in particular the writings of the early Irish and Welsh themselves.

Note: Expected to be omitted in 2002–03. Offered jointly with the Divinity School as 3686. All texts will be read in English translation.

[Celtic 160. Advanced Modern Irish]

Catalog Number: 0704

Barbara L. Hillers

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

Reading, listening, and speaking, with grammatical study, geared to the interests and aptitudes of the participants.

Note: Expected to be given in 2002–03. It is suggested that this course be followed by Celtic



161.

Prerequisite: Celtic 133r or permission of instructor.

[Celtic 161. Continuing Advanced Modern Irish]

Catalog Number: 4421

Barbara L. Hillers

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

Intensive study of selected topics in Modern Irish.

Note: Expected to be given in 2002–03.

Prerequisite: Celtic 160 or permission of instructor.

[Celtic 182. Modern Welsh Literature]

Catalog Number: 1653

Patrick K. Ford

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

Readings in major works of prose and poetry from the 18th to the 20th century, including William Williams (Pantycelyn), Ann Griffiths, R. Williams Parry, Waldo Williams, Daniel Owen, Kate Roberts, Caradog Pritchard, and T. Rowland Hughes.

Note: Expected to be given in 2002–03. All works read in Welsh.

[Celtic 184. Early Irish Literature]

Catalog Number: 2150

Tomás Ó Cathasaigh

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

A survey of scholarly and critical work on *The Táin* together with a close reading of parts of Recension I.

Note: Expected to be given in 2002–03. The text will be read in English translation.

Cross-listed Courses

[Linguistics 158r. From Indo-European to Old Irish]

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

[Literature and Arts C-20. The Hero of Irish Myth and Saga](#)

[Literature and Arts C-22. European Culture in the Middle Ages](#)

[Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar]

[*Scandinavian 200a. Introduction to Old Norse](#)

[Scandinavian 200br. Old Norse Literature: Edda and Saga](#)

Primarily for Graduates

[Celtic 200. Introduction to Old Irish](#)

Catalog Number: 8266

Tomás Ó Cathasaigh

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

An introduction to the language of the 8th and 9th centuries, with elementary readings in prose texts.



Note: Expected to be omitted in 2002–03. 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 2002–03.

Prerequisite: Celtic 200 or permission of the instructor.

[Celtic 203r. Middle Irish]

Catalog Number: 1062

Barbara L. Hillers

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

An introduction to Middle Irish (900-1200) together with a close reading of Middle Irish texts.

Note: Expected to be given in 2002–03.

[Celtic 204r. Readings in Early Irish Poetry]

Catalog Number: 8493

Tomás Ó Cathasaigh

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

Readings in *Early Irish Lyrics*.

Note: Expected to be given in 2002–03.

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). Hours to be arranged.

A reading of *Bethu Brigte*.

Note: Expected to be given in 2002–03.

Prerequisite: Celtic 200 or permission of the instructor.

[Celtic 208. Early Irish Society]

Catalog Number: 1359

Tomás Ó Cathasaigh

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

The course is concerned with the institutional and conceptual framework of early Irish life. The evidence of the laws will be considered in translation, and the literature will be taken into account.

Note: Expected to be given in 2003–04.

[Celtic 225a. Introduction to Middle Welsh]

Catalog Number: 3960

Patrick K. Ford



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

Introduction to the language, leading to the reading of Middle Welsh prose texts.

Note: Expected to be given in 2002–03. It is suggested that this course be followed by Celtic 225b.

[Celtic 225b. Continuing Middle Welsh]

Catalog Number: 4167

Patrick K. Ford

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

Further grammatical studies with continued readings of Middle Welsh prose and poetry.

Note: Expected to be given in 2002–03.

Prerequisite: Celtic 225a or permission of instructor.

Celtic 226r. Readings in Middle Welsh

Catalog Number: 2796

Patrick K. Ford

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

Readings in the poems of Dafydd ap Gwilym.

Note: Expected to be omitted in 2002–03.

Prerequisite: Celtic 225b or permission of the instructor.

Celtic 227. Welsh Bardic Poetry: Seminar

Catalog Number: 2580

Patrick K. Ford

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

Selected readings from the Poets of the Princes, with special attention to the historical development of the genre, the social organization of poets, and the bardic grammars.

Note: Expected to be omitted in 2002–03.

Prerequisite: Knowledge of Welsh or permission of the instructor.

Celtic 230r. Sources for Medieval Welsh Culture and Society

Catalog Number: 3511

Patrick K. Ford

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

Readings in the chronicle of Elis Gruffydd. Ancillary sources, such as the Welsh *Brutiau* and genealogies, may be used as well.

Note: Expected to be omitted in 2002–03.

Prerequisite: Knowledge of Middle Welsh or permission of the instructor.

Graduate Courses of Reading and Research

***Celtic 300. Reading and Research**

Catalog Number: 5614

Patrick K. Ford 2921, Kathryn Ann Chadbourne 2531, Gene C. Haley 3987, Barbara L. Hillers 3342, Tomás Ó Cathasaigh 1224, and Calvert Watkins 2553



***Celtic 305. Preparation of Doctoral Dissertation**

Catalog Number: 0375

Patrick K. Ford 2921, Barbara L. Hillers 3342, Tomás Ó Cathasaigh 1224, and Calvert Watkins 2553

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*) (*on leave fall term*)

John M. Doyle, Professor of Physics (*on leave fall term*)

Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry

Dudley R. Herschbach, Frank B. Baird, Jr. Research Professor of Science (*on leave 2001-02*)

William Klemperer, Erving Research Professor of Chemistry (*on leave 2001-02*)

David R. Reichman, Assistant Professor of Chemistry and Chemical Biology

Matthew D. Shair, Professor of Chemistry and Chemical Biology

Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology

Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology

Xiaowei Zhuang, Assistant Professor of Chemistry and Chemical Biology and of Physics

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 Division 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.

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

Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry (*on leave spring term*)

Eric Mazur, Harvard College Professor, Gordon McKay Professor of Applied Physics and Professor of Physics

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies



Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences
Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy and Professor of Applied Physics
Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science, Associate of the Harvard Forest

Chemistry and Chemical Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Chemistry and Chemical Biology

Stuart L. Schreiber, Morris Loeb Professor of Chemistry and Chemical Biology (*Chair*)
James E. Davis, Senior Lecturer on Chemistry and Chemical Biology and Molecular and Cellular Biology (*Head Tutor*)
James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry ()
David A. Evans, Abbott and James Lawrence Professor of Chemistry (*on leave 2002-2003*)
Bretislav Friedrich, Lecturer on Chemistry and Chemical Biology
Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science
Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry
Eric J. Heller, Professor of Chemistry and Physics (*on leave fall term*)
Dudley R. Herschbach, Frank B. Baird, Jr. Research Professor of Science (*on leave 2001-02*)
Richard H. Holm, Higgins Professor of Chemistry (*on leave fall term*)
Eric N. Jacobsen, Harvard College Professor and the Sheldon Emery Professor of Chemistry
William Klemperer, Erving Research Professor of Chemistry (*on leave 2001-02*)
Jeremy R. Knowles, Amory Houghton Professor of Chemistry and Biochemistry (*on leave 2002-03*)
Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry (*on leave spring term*)
David R. Liu, Assistant Professor of Chemistry and Chemical Biology
Andrew G. Myers, Professor of Chemistry and Chemical Biology
Hongkun Park, Assistant Professor of Chemistry and Chemical Biology
Garry Procter, Lecturer on Chemistry and Chemical Biology
David R. Reichman, Assistant Professor of Chemistry and Chemical Biology
Matthew D. Shair, Professor of Chemistry and Chemical Biology
Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology
Richard J. Staples, Lecturer on Chemistry and Chemical Biology
Gregory L. Verdine, Harvard College Professor and Professor of Chemistry
George M. Whitesides, Mallinckrodt Professor of Chemistry and Chemical Biology



Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology
Xiaowei Zhuang, Assistant Professor of Chemistry and Chemical Biology and of Physics

Other Faculty Offering Instruction in the Department of Chemistry and Chemical Biology

Yorke Edward Rhodes, Visiting Professor of Chemistry and Chemical Biology (*New York University*)
Claude Wintner, Visiting Scholar in Chemistry and Chemical Biology, Visiting Professor of Chemistry and Chemical Biology (*Haverford College*)

Affiliates of the Department

Stephen C. Harrison, Higgins Professor of Biochemistry
David R. Nelson, Mallinckrodt Professor of Physics and Professor of Applied Physics
Don C. Wiley, John L. Loeb Professor of Biochemistry and Biophysics, Tutor in Biochemical Sciences (*on leave 2001-02*)

Depending on their prior preparation, students will choose one of three possible entries to studies in this Department. Students with an average or weak background in chemistry should enroll in Chemistry 5 and 7; students with a strong background in chemistry should enroll in Chemistry 10; students with outstanding chemical preparation may enroll at once in Chemistry 17 or 20. Most well prepared students who wish to pursue honors level concentration in chemistry or closely allied fields will elect the (10)+20+30+40+135 track. Others who start with 5+7+17+27 may join the other track by taking 135 and 40. Most students of life sciences, especially those preparing for medical school, will take 5+7 or 10 followed by 17 and 27. Students may not take both Chemistry 17 and 20 for credit. Since there is little or no overlap in content between Chemistry 27 and 30, students interested in a strong background in both bio-organic and theoretical organic chemistry may take both courses. The Science A Core requirement may be satisfied by taking any one of Chemistry 5, 7, 10, 17, or 20.

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 Division 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 are urged to consult a member of the Chemistry Department in planning their work for the first year. Advice may be obtained in the Head Tutor's Office, Science Center 114.

[Chemistry 5. Introduction to Principles of Chemistry](#)

Catalog Number: 7171

James E. Davis

Half course (fall term). M., W., F., at 9, one hour per week of discussion, and three hours per



week of laboratory. EXAM GROUP: 2

Introduction to the structure and properties of atoms, molecules, and ions, stoichiometry; thermochemistry; electronic structure of atoms; periodic properties of the elements; chemical bonding; molecular geometry and bonding theories; gases; intermolecular forces, liquids, and solids; properties of solutions.

Note: Chemistry 5–7 is the mainstream general chemistry sequence for students with typical high school chemistry backgrounds (one year) or for students with no previous study of chemistry. Calculus is not necessary for Chemistry 5, but a strong background in high school algebra is essential. Students who lack this algebra background should take Math Ar or Math Xa before attempting Chemistry 5. Students with very strong high school chemistry backgrounds may enroll instead in Chemistry 10, 17, or 20; see those course descriptions for details.

Chemistry 7. Principles of Chemistry

Catalog Number: 5118

Hongkun Park and Charles M. Lieber

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

Evolution of the elements; nuclear chemistry; rates and mechanisms of chemical reactions; chemical kinetics; chemical equilibrium; acids and bases; additional aspects of aqueous equilibria; instrumental analysis; chemistry of the environment; chemical thermodynamics; electrochemistry; modern materials; chemistry of the nonmetals; metals and metallurgy; chemistry of coordination compounds; the chemistry of life.

Prerequisite: Chemistry 5 or equivalent, in particular: chemical equilibrium, the first and second law of thermodynamics, and elements of acid-base chemistry. A few simple operations of the calculus are developed and used. Fluency in precalculus secondary school mathematics is assumed. Exposure to secondary school physics will be helpful.

Chemistry 10. Accelerated Course: Foundations of Chemistry

Catalog Number: 1376

Roy G. Gordon and Dudley R. Herschbach

Half course (fall term). Lectures M., W., F., at 9, discussion section, and laboratory work averaging four hours a week, to be arranged. EXAM GROUP: 2

Physical principles in chemistry: atomic and molecular structure, thermodynamics, and chemical kinetics. Applications to reaction equilibria and mechanisms; electrochemistry; photochemistry; environmental chemistry, life sciences and materials chemistry; selected commonplace, exotic, and poetic phenomena. Laboratory work stresses the principles and techniques of quantitative chemistry.

Note: Open to students with strong secondary school courses in chemistry, physics and mathematics, and who are currently enrolled in Mathematics 1a (or equivalent preparation). To be admitted to Chemistry 10, students must obtain a satisfactory score on the Harvard Chemistry Placement Examination, given during freshman week, or must obtain permission of the instructor. Students who do not take this examination or do not achieve a satisfactory score should take Chemistry 5 and 7. Chemistry 10 may not be counted toward a degree in addition to Chemistry 5 or 7.

**Chemistry 17. Principles of Organic Chemistry**

Catalog Number: 5085

Claude Wintner (Haverford College)

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. 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.

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 Chemistry 7, or 10. Others may enter only by permission of the instructor.

Chemistry 20. Organic Chemistry

Catalog Number: 0876

Andrew G. Myers

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

An introduction to structure, bonding, and mechanism of organic reactions; chemical transformation of the common functional groups in aliphatic and aromatic compounds; synthesis; determination of structure; 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.

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 Chemistry 7, 9, or 10. Others may enter only by permission of the instructor.

Chemistry 27. Organic Chemistry of Life

Catalog Number: 5978

David R. Liu

Half course (spring term). M., W., F., at 11, and a discussion section, and a five hour laboratory each week to be arranged. EXAM GROUP: 4



Sequel to Chemistry 17. Organic chemical principles of molecular science that govern the processes occurring in living systems are illustrated with examples drawn from biochemistry, cell biology, and medicine. The course deals with generalities of organic chemical reactivity (reaction mechanisms, structure-reactivity and structure-property relationships), with matters specifically relevant to the life sciences (chemistry of proteins, nucleic acids, natural products, cofactors, signal transduction), and with applications of chemical biology in medicine and biotechnology (drug design and mechanism, metabolism). It requires an understanding of organic reactions and their mechanisms, with considerable focus on “arrow pushing”.

Note: Chemistry 27 and 30 may both be taken for degree credit. See note for Chemistry 17.

Prerequisite: Chemistry 17; Chemistry 30; or Chemistry 20 with permission of the instructor.

Chemistry 30. Organic Chemistry

Catalog Number: 6587

Yorke Rhodes

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 including reactions involving carbanions, carbonium ions, carbenes and free radicals; and an introduction to biologically important classes of compounds including carbohydrates, amino acids, peptides, nucleic acids and other heterocyclic compounds. Laboratory: an introduction to the practice of organic chemistry and the identification of unknown compounds.

Note: Chemistry 27 and 30 may both be taken for degree credit. See note for Chemistry 17.

Prerequisite: Chemistry 20 or Chemistry 27.

Chemistry 40. Inorganic Chemistry

Catalog Number: 8201

William Klemperer and Richard H. Holm

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

An introduction to basic concepts of inorganic chemistry. Topics include synthesis, bonding, thermodynamics, stereochemistry, and reactivity of inorganic compounds of the main group and the transition elements.

Prerequisite: Chemistry 17 or 20.

Chemistry 60. Foundations of Physical Chemistry

Catalog Number: 5181

Eric J. Heller

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

This course is designed to be a compact introduction to major principles of physical chemistry (chemical kinetics, thermodynamics, and statistical mechanics), concurrently providing mathematical and physical foundations for these subjects and mathematical preparation for Chemistry 160 and 161, or Chemistry 105.

Prerequisite: Chemistry 5, 7 or 10 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

James E. Davis (fall term), Dudley R. Herschbach (spring term) and members of the Department
Half course (fall term; repeated spring term). Hours to be arranged.

Reading and/or laboratory work related to one of the research projects under way in the department.

Note: Open to a limited number of chemistry concentrators who are accepted as research students without having taken Chemistry 98. Written permission of the sponsor must be filed at the Office of the Head Tutor in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head, James E. Davis, and Dr. Davis' signature must appear on each student's study card.***Chemistry 98r. Introduction to Research—Junior Year**

Catalog Number: 3124

James E. Davis (fall term), Dudley R. Herschbach (spring term) 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 approval 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 Head Tutor in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head, James E. Davis, and Dr. Davis' signature must appear on each student's study card.***Chemistry 99r. Tutorial — Senior Year**

Catalog Number: 4508

James E. Davis (fall term), Dudley R. Herschbach (spring term) 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. Written permission of the research adviser must be filed at the office of the Head Tutor in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head, James E. Davis, and Dr. Davis' signature must appear on each student's study card.***Cross-listed Courses*****Biological Sciences 52 (formerly Biological Sciences 10). Introductory Molecular Biology**
Earth and Planetary Sciences 107. Environmental Geochemistry
[MCB 112. Structure and Function of Proteins and Nucleic Acids]
MCB 176. Biochemistry of Membranes



For Undergraduates and Graduates

Chemistry 105. Mechanisms of Organic Reactions

Catalog Number: 3181

George M. Whitesides

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

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 5 and 7, or 10; and Chemistry 20 and 30 with a grade of B- or better. Chem 60 or MCB 61 highly recommended.

[Chemistry 115. Advanced Organic Chemistry: Synthesis of Complex Molecules]

Catalog Number: 0480

Andrew G. Myers

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

An integrated course in complex synthetic problem solving that focuses on the development of principles and strategies for synthesis design with a concurrent, comprehensive review of modern synthetic transformations.

Note: Expected to be given in 2002–03.

Prerequisite: Chemistry 105 or a grade of A in Chemistry 30.

Chemistry 117. Diversity-Oriented Synthesis

Catalog Number: 2774

Matthew D. Shair

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

This course will cover reactions and strategies used in the synthesis of complex molecules. Special emphasis will be placed on reactions and strategies that are useful in diversity-oriented syntheses. Areas covered will include: conformational analysis, important C-C bond forming reactions, asymmetric synthesis, asymmetric catalysis, functional group manipulation, tandem reactions, multicomponent reactions, and strategies for ring formation. The application of diversity-oriented synthesis to the discovery of new reactions, catalysts, and molecules with novel biological properties will also be included.

Chemistry 135. Experimental Synthetic Chemistry

Catalog Number: 3406 Enrollment: Limited to 64. Preference given to concentrators in Chemistry, Biochemical Sciences, and Biology, in that order.

Garry Procter

Half course (spring term). Lectures M., at 1, and laboratory, eight to nine hours a week, Tu., 2–10 p.m., W., 1–9 p.m., or Th., 2–10 p.m. 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 chosen to encourage the development of technical proficiency and to simulate actual research.

Note: 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 98 and 99.

Chemistry 150. Inorganic Chemistry II. Transition Elements

Catalog Number: 6491

Richard H. Holm

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

An introduction to the chemistry of the transition elements and bioinorganic chemistry. Topics include electronic structure, physical methods, stereochemistry, kinetics, and mechanisms of inorganic reactions. Liberal use will be made of elementary theory and quantum chemistry.

Prerequisite: Chemistry 40 or 160, or permission of the instructor.

[Chemistry 153. Organotransition Metal Chemistry]

Catalog Number: 1848

Eric N. Jacobsen

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

An introduction to organotransition metal chemistry. Topics include organometallic reaction mechanisms and the application of transition metal complexes in organic synthesis and in homogeneous catalysis.

Note: Expected to be given in 2002–03. Intended primarily for graduate students and advanced undergraduates in chemistry.

Prerequisite: Chemistry 30 or equivalent, and Chemistry 40 or equivalent. Concurrent enrollment in Chemistry 115 and/or Chemistry 206 is recommended.

Chemistry 154. Crystal Symmetry, Diffraction, and Structure Analysis

Catalog Number: 8873

Richard J. Staples

Half course (spring term). M., W., F., at 9; laboratory one afternoon per week. EXAM GROUP: 2

Theory of the internal symmetry and arrangement of atoms in crystals; development and use of space groups. Geometrical and physical aspects of the diffraction process, with emphasis on comprehensive interpretation of x-ray diffraction effects from single crystals. Methods of crystal structure analysis. Laboratory includes searching and utilizing the CSD database, as well as the data collection and crystal structure solution of a new single crystal.

Note: Given in alternate years.

Prerequisite: Familiarity with atomic structure, basic symmetry principles, linear algebra, and electromagnetic waves.

[Chemistry 158. Materials Chemistry]

Catalog Number: 7504

Charles M. Lieber

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

An introduction to inorganic and organic materials. Topics include: structure of crystalline solids; electronic structure and conduction in materials; crystal chemistry; synthesis of bulk, thin film, and nanoscale materials; structure-property relationships, including superconductivity,



magnetism and giant magneto resistance, nonlinear optical materials, mesoporous structures, and monostructures.

Note: Expected to be given in 2002–03. Primarily intended for advanced undergraduates and graduates.

Prerequisite: Chemistry 40 or equivalent.

Chemistry 160. Physical Chemistry

Catalog Number: 3420

Cynthia M. Friend

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; one full course in physics (with an honor grade, if in Physics 1); Chemistry 10 or equivalent.

Chemistry 161. Statistical Thermodynamics

Catalog Number: 3575

David R. Reichman

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.

Prerequisite: Chemistry 160 and Applied Mathematics 21a, or equivalent.

Chemistry 162. Molecular Spectroscopy

Catalog Number: 0924

William Klemperer and Xiaoliang Sunney Xie

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 16, 17

Modern molecular spectroscopy applied to the study of the structure and dynamics in gas and condensed phase systems. Topics include electronic, vibrational, rotational and nuclear hyperfine energy levels of polyatomic molecules, their interactions with electromagnetic radiation, selection rules and relaxation processes. The fundamental principles are illustrated by spectroscopic approaches, such as absorption, fluorescence, scattering, magnetic resonance, as well as nonlinear processes and photochemistry.

Prerequisite: Chemistry 160 and 161; or Physics 143 and 181; (or equivalent preparation).

Concurrent registration in Chemistry 161 or Physics 181 acceptable.

Chemistry 163. Molecular Biophysics and Biophysical Chemistry: Structure and Conformational Dynamics of Bio-macromolecules

Catalog Number: 3635

Xiaowei Zhuang

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

An introduction to the structure and conformational dynamics of bio-macromolecules including proteins and nucleic acids. Emphasis will be placed on the molecular interactions responsible for the macromolecular structure and the experimental techniques used to probe the macromolecular



structure and conformational dynamics. The relation of structure and dynamics to function will also be discussed.

Prerequisite: Biological Sciences 10 or 52 or 56; Chemistry 160 or Physics 15; or permission of instructor.

[Chemistry 164r. Molecular Biophysics and Biophysical Chemistry: Theory and Simulations of Macromolecules]

Catalog Number: 5588

Eugene I. Shakhnovich

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

Introduction to the principles of macromolecular structure, folding and dynamics, with emphasis on structure-function relationship. Principles of protein folding and molecular evolution. Molecular dynamics and other simulation approach to protein dynamics, enzymatic function and folding. Empirical and knowledge-based energy functions for structure prediction and design. Examples include: prediction of protein structure using ab initio and bioinformatics approaches, theory of random and designed heteropolymers with application to protein folding and design, molecular recognition, rational drug design.

Note: Expected to be given in 2002–03. It is suggested that students enroll in Biophysics 164 when this course is bracketed. Cannot be taken for credit by students who have completed Biophysics 164r.

Prerequisite: Biological Sciences 11 and one of the following: Chemistry 160, Biochemistry 61, Physics 143, or permission of instructor.

Chemistry 165. Experimental Physical Chemistry

Catalog Number: 0667

Bretislav Friedrich

Half course (spring term). Lectures: F., 1–2:30; laboratories M., or Tu., 1–5. EXAM GROUP: 6, 7

The course aims at providing an introduction to the methods and techniques used in current physical chemistry/chemical physics research laboratories and at developing scientific writing and oral presentation skills. Nine out of a total of eleven laboratory assignments are experiments conducted directly in the Research Groups of the Chemistry Department using their state-of-the-art equipment. These involve: molecular beams; mass spectrometry; Fourier transform infrared and nuclear magnetic resonance spectroscopies; laser ablation; laser spectroscopy; cavity ring-down spectroscopy; scanning tunneling and atomic force microscopy; kinetics. Computer-based methods of data acquisition & analysis are used throughout.

Note: Recommended as an efficient preparation for research in experimental physical chemistry/chemical physics and related sciences.

Prerequisite: Chemistry 160 or Physics 143a

Chemistry 167. Surface and Interfacial Phenomena

Catalog Number: 7480

Cynthia M. Friend

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

General principles governing surface and interfacial phenomena are developed using treatment of surface electronic and geometric structure as a foundation. The course will treat both



theoretical and experimental tools for the investigation of surface structure. Selected spectroscopic techniques will also be treated, with emphasis on surface phenomena. The latter part of the course will develop principles of adsorption, reaction, and growth phenomena illustrated through current literature topics.

Note: Primarily for graduates and advanced undergraduates in Chemistry, Physics, and Applied Sciences.

Prerequisite: Chemistry 160 or equivalent.

[Chemistry 170. Chemical Biology]

Catalog Number: 7754

David R. Liu

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

This course explores many of the most interesting recent advances in applying chemical approaches to problems in chemistry and biology. Topics include: protein design and engineering, molecular evolution, DNA damage and repair, novel natural proteins, metabolic engineering, drug action and resistance, rational and combinatorial approaches to drug discovery, chemical genetics, and genomics. Lectures are supplemented with problem sets, discussion sections, and additional readings from the scientific literature.

Note: Expected to be given in 2002–03.

Prerequisite: A strong background in organic chemistry, including basic biochemistry.

Chemistry 180. Macromolecular Structure and Function

Catalog Number: 6449

Gregory L. Verdine

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

This course will explore in detail the relationship between the structure and function of biological macromolecules. Emphasis will be placed on the chemical principles governing recognition and catalysis in biological systems, using examples drawn from the scientific literature. Topics will include conformational analysis of nucleic acids and proteins, binding of biological macromolecules to each other and small molecules, and the molecular basis for catalysis. Areas of biologic emphasis will include gene regulation, signal transduction and chemical genetics.

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.

Prerequisite: Chemistry 5 and 7 or equivalent.

Cross-listed Courses

**Biophysics 164r (formerly Biophysics 151r). Molecular Biophysics and Biophysical Chemistry: Theory and Simulation of Macromolecules*****Primarily for Graduates******Chemistry 206. Advanced Organic Chemistry**

Catalog Number: 1063

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

An in-depth discussion of the important classes of organic reactions will be provided. The discussion will include an introduction to FMO theory, stereoelectronic effects, conformational analysis, and enantioselective reaction variants. Reaction families that will be surveyed include the major classes of cycloadditions, olefin and carbonyl addition processes, and sigmatropic rearrangements. The generation, structure, and reactivity of commonly encountered reactive intermediates such as enolates, metallocenes, carbenes, carbonium ions, and free radicals will be integrated into the lectures. Weekly problem assignments designed to improve “electron-pushing” skills will be provided. Small study groups headed by experienced graduate student mentors will emphasize the development of problem-solving skills.

Prerequisite: Chemistry 105, a prior course in mechanistic organic chemistry, or permission of instructor.

Chemistry 240. Statistical Mechanics

Catalog Number: 5215

*David R. Reichman**Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14*

Equilibrium and nonequilibrium statistical mechanics, with a strong emphasis on interacting systems, including the thermodynamics and structure of gases, liquids, and crystals, critical phenomena, and the theory of transport processes.

Prerequisite: Chemistry 160 and 161, or permission of instructor.

Chemistry 241. Chemical Kinetics

Catalog Number: 6976

*Dudley R. Herschbach**Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

Theory of bimolecular gas phase reactions, success of those theories when applied to reactions of free radicals, unimolecular and thermomolecular rate theories, thermochemistry, energy transfer and recent advances in molecular beam and laser chemistry.

Note: Given in alternate years.

Chemistry 242. Quantum Mechanics I

Catalog Number: 2971

*William Klemperer and Hongkun Park**Half course (fall term). M., W., F., at 12. EXAM GROUP: 5*

Principles of quantum mechanics, Particle in a potential well, Identical particles, Angular momentum, time-independent perturbation theory, Chemical bonding in molecules.



Prerequisite: Chemistry 160 or Physics 143, Physics 11 or 12, and Applied Mathematics 105a and 105b, or Mathematics 21, or equivalent.

[Chemistry 243. Quantum Mechanics II]

Catalog Number: 0566

Hongkun Park

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

Time-dependent perturbation theory, Matter-photon interaction and spectroscopy, Scattering theory and its application, Electronic motion in low-dimensional structures, Electron-electron interaction.

Note: Expected to be given in 2002–03. Given in alternate years.

Prerequisite: Chemistry 242.

[Chemistry 244. Quantum Chemistry]

Catalog Number: 8295

Roy G. Gordon

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

Quantum mechanics applied to molecules and solids. Hartree-Fock, configuration-interaction, perturbation, coupled cluster, density functional, Monte-Carlo and semi-empirical theories. Use of computer programs for these methods.

Note: Expected to be given in 2002–03.

Prerequisite: Chemistry 242.

Chemistry 245. Single-molecule Biophysics

Catalog Number: 0944

Xiaoliang Sunney Xie

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

The emerging single-molecule methodology of biophysics, including the principles of single-molecule studies and the experimental approaches, such as the patch clamp technique, atomic force microscopy, optical tweezers, near field microscopy, and confocal and nonlinear optical microscopy. Applications to various biological problems will be discussed.

Prerequisite: Introductory level biochemistry and physical chemistry including quantum mechanics and statistical mechanics; or permission of instructor.

Cross-listed Courses

Applied Physics 291. Electron Microscopy Laboratory

Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics

[Earth and Planetary Sciences 202. Introduction to the Dynamics of Atmospheres and Oceans]

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. Reading**

Catalog Number: 6307

Members of the Department

Individual work under the supervision of members of the Department.

***Chemistry 301. Inorganic Chemistry**

Catalog Number: 3748

Richard H. Holm 7015 (on leave fall term)

***Chemistry 302. Organometallic Chemistry**

Catalog Number: 1413

Eric N. Jacobsen 1040

***Chemistry 303. Organic Chemistry**

Catalog Number: 1043

David A. Evans 7774 (on leave 2002-2003)

***Chemistry 304. Theoretical Atomic, Molecular, and Chemical Physics**

Catalog Number: 0532

Eric J. Heller 1074 (on leave fall term)

***Chemistry 307. Organic Chemistry**

Catalog Number: 5101

Elias J. Corey 1369

***Chemistry 311. Physical Chemistry**

Catalog Number: 2640

Charles M. Lieber 3102 (on leave spring term)

***Chemistry 313. Organic Chemistry**

Catalog Number: 0183

Yoshito Kishi 3852

***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 327. Theoretical Chemistry**

Catalog Number: 6064

Martin Karplus 1361

***Chemistry 330. Physical Chemistry and Chemical Physics**

Catalog Number: 4327

Dudley R. Herschbach 1381 (on leave 2001-02)

***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 350. Theoretical Physical Chemistry**

Catalog Number: 8285

Eugene I. Shakhnovich 3147

***Chemistry 377. Physical Chemistry, Including Molecular Spectroscopy**

Catalog Number: 5506

William Klemperer 1391 (on leave 2001-02)

***Chemistry 387. Organic Chemistry**

Catalog Number: 4674

Matthew D. Shair 2280

***Chemistry 388. Organic Chemistry**

Catalog Number: 1979

Andrew G. Myers 8278

***Chemistry 389. Physical Chemistry**

Catalog Number: 5111

Xiaoliang Sunney Xie 2290

***Chemistry 390. Organic Chemistry and Chemical Biology**

Catalog Number: 7469

David R. Liu 2717



***Chemistry 391. Physical Chemistry**

Catalog Number: 9897

Hongkun Park 2485

***Chemistry 392. Physical Chemistry**

Catalog Number: 6980

David R. Reichman 2569

***Chemistry 393. Physical Chemistry**

Catalog Number: 1273

Xiaowei Zhuang 3991

The Classics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of the Classics

Richard F. Thomas, Professor of Greek and Latin (*Chair*)

William R. Allan, Assistant Professor of the Classics

Kathleen M. Coleman, Professor of Latin (*on leave spring term*)

John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature, Associate of Eliot House (*Director of Graduate Studies*) (*on leave 2002-03*)

Albert Henrichs, Eliot Professor of Greek Literature

Judson Herrman, Lecturer on the Classics

Christopher P. Jones, George Martin Lane Professor of the Classics and of History

Ivy Livingston, Associate of Dudley House, Assistant Professor of the Classics (*on leave spring term*)

Nino Luraghi, Assistant Professor of the Classics (*on leave 2002-2003*)

David Gordon Mitten, James Loeb Professor of Classical Art and Archaeology

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature (*Director of the Harvard Center for Hellenic Studies*)

Gloria Ferrari Pinney, Professor of Classical Archaeology and Art (*on leave fall term*)

Eric W. Robinson, Assistant Professor of the Classics and of History (*on leave 2001-02*)

Panagiotis Roilos, Assistant Professor of Modern Greek Studies

Andreola Rossi, Assistant Professor of the Classics

Mark Schiefsky, Assistant Professor of the Classics (*Director of Undergraduate Studies*)

Charles P. Segal, Walter C. Klein Professor of the Classics (*on leave 2001-02*)

Gisela Striker, Professor of Classical Philosophy (*on leave spring term*)

R. J. Tarrant, Harvard College Professor and Pope Professor of the Latin Language and



Literature (*on leave fall term*)

Calvert Watkins, Victor S. Thomas Professor of Linguistics and the Classics

Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

Other Faculty Offering Instruction in the Department of the Classics

Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art (*on leave spring term*)

John E. Murdoch, Professor of the History of Science

Rabun Taylor, Assistant Professor of History of Art and Architecture (*on leave fall term*)

Raphael Graham Woolf, Assistant Professor of Philosophy (*on leave 2002-03*)

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.

Classics

Primarily for Undergraduates

***Classics 93r. Advanced Tutorial for Credit**

Catalog Number: 0511

Mark Schiefsky and assistants

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 97r. Tutorial — Sophomore Year**

Catalog Number: 5175

Mark Schiefsky and assistants

Half course (fall term; repeated spring term). Hours to be arranged.

Weekly meetings of small groups of students with a tutor for the detailed reading and translation of selected texts; in addition, monthly colloquia, on the various disciplines within the field of Classics.

Note: May be counted for concentration.

***Classics 98r. Tutorial — Junior Year**

Catalog Number: 6100

Mark Schiefsky and assistants

Half course (fall term; repeated spring term). Fall: Tu., 1–4. Spring: Th., 1–4. EXAM GROUP:

Spring: 15, 16, 17

Tutorial instruction for course credit (in addition to ordinary tutorial instruction) is open to



concentrators in their junior year whose applications for such instruction have been approved by the Director of Undergraduate Studies.

Note: May be counted for concentration.

***Classics 99. Tutorial — Senior Year**

Catalog Number: 2350

Mark Schiefsky and assistants

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.

Cross-listed Courses

Comparative Literature 208. Experience and Expression: Seminar

Comparative Literature 215. Melopoeia: On German Music and Letters: Seminar

[*Comparative Literature 280. Literary Theory and Criticism in the Middle Ages: Seminar]

***Comparative Literature 287r. Selected Topics in Poetics and Rhetoric: Seminar**

***History 90i (formerly History 90x). Major Themes in Ancient History**

History 1085. The Roman Empire, Augustus to Constantine

History of Art and Architecture 13k. Introduction to Roman Art and Architecture

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

Literature and Arts C-22. European Culture in the Middle Ages

Literature and Arts C-61. The Rome of Augustus

Literature and Arts C-69. Pompeii

Medieval Studies 117. Constitutional and Legal History of Medieval England

Philosophy 7. Introduction to Ancient Philosophy

Philosophy 102. Aristotle

For Undergraduates and Graduates

Classics 100. Ancient Cosmology and Mechanics

Catalog Number: 6518

Mark Schiefsky

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

A study of the origins of cosmological thought in ancient Greece, the cosmology of Aristotle, and challenges to the Aristotelian system in both the sublunar and celestial realms. Special consideration will be given to the interaction of cosmological thought and the exact sciences, particularly mechanics and astronomy.

Prerequisite: Previous work in science or mathematics helpful but not required.

Classics 158. Ancient Greek World: Homer to Alexander

Catalog Number: 3134



Nino Luraghi

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

An examination of the political, social, and cultural history of ancient Greece from the Bronze Age to the conquests of Alexander (c. 1200–323 BCE). Topics include: the rise of the polis; Athenian democracy and democratic culture; gender and society; the Peloponnesian War; and Macedonian hegemony. Emphasis on primary sources and reading a broad range of texts in translation, including Herodotus, Thucydides, Xenophon, and Plutarch.

Classics 163. Virgil and His Reception

Catalog Number: 8346

Richard F. Thomas

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

Study of the Virgil tradition from antiquity through the 20th century. Lectures and discussion on the *Eclogues*, *Georgics*, and *Aeneid*, and on a variety of points of reception: post-Virgilian epic (Ovid, Lucan, Statius), the ancient and medieval commentary tradition (Servius and Donatus), Christian reception; impact on European vernacular traditions (Dido romance to Dante, Ariosto, Tasso, Spenser and Milton); humanistic response (Maffeo Vegio to Petrarch); translation as hermeneutics (Gavin Douglas to Dryden and beyond); Virgilian reception in art and music.

Note: May be counted as a language course for Classics concentrators.

Classics 167. Classics and Literary Theory

Catalog Number: 4340

William R. Allan

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

Many scholars apply contemporary theory to the study of the classical world, especially to the study of its literature. This course presents the main theoretical approaches and discusses various aspects of their deployment in recent classical scholarship. Critical movements covered include structuralism, feminism, psychoanalysis, Marxism, new historicism, deconstruction, intertextuality, and narratology.

[Classics 190. Approaches to Classical and Indo-European Poetics]

Catalog Number: 0712

Calvert Watkins

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

Basic principles of poetics, and of linguistic approaches to archaic forms of literature in early Indo-European societies. Close readings of selected texts in Greek, Latin, and other languages.

Note: Expected to be given in 2002–03. Open without prerequisite to students of the Classics, and also to students of other ancient or medieval Indo-European languages.

Greek

Students who have studied classical Greek previously should register at the Department of the Classics, Boylston Hall 204, 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 Director of Undergraduate Studies (Boylston Hall 231).



Primarily for Undergraduates

Greek A. Beginning Greek

Catalog Number: 0129

Ivy Livingston and assistants

Half course (fall term). Section I and II: M., W., Th., F., at 9; and Section III: M., W., Th., F., at 11. EXAM GROUP: 2, 11

Elements of the Greek language and introductory readings.

Greek Aab. Beginning Greek (Intensive)

Catalog Number: 0714

Judson Herrman and assistants

Full course (spring term). M., through F., at 9; M., at 1. EXAM GROUP: 2, 6, 11

For students with little or no previous instruction in Greek who are seriously interested in making quick progress in the language. Covers all basic grammar and considerable practice in reading prose. Students are prepared for Greek 3 or 4.

Greek B. Beginning Greek

Catalog Number: 0457

Judson Herrman 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 Greek A. Extensive reading in Attic prose.

Prerequisite: Greek A or equivalent.

Greek 3. Introduction to Attic Prose

Catalog Number: 4696

Judson Herrman and assistant

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

Selections from several authors, mainly of narrative and dialogue, to be read both as an introduction to the variety of Greek styles and for practice in translation and review of grammar.

Prerequisite: Greek B or equivalent.

Greek 4. Selections from Homer's *Iliad*

Catalog Number: 3361

William R. Allan and assistant

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

An introduction to Homeric poetry: language, meter, formulae, and type scenes.

Prerequisite: Greek 3 or equivalent.

For Undergraduates and Graduates

Greek H. Introductory Greek Prose Composition

Catalog Number: 6323

Judson Herrman and assistant

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



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 3 or equivalent.

[Greek K. Advanced Greek Prose Composition]

Catalog Number: 4171

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

A study of Greek prose style. Written compositions in various styles, chiefly those of Lysias, Plato, and Demosthenes, with selected readings representing the development of classical prose and the modern analysis of Greek prose style.

Note: Expected to be given in 2002–03.

Prerequisite: Greek H or equivalent.

Greek 105. Aristophanes

Catalog Number: 1969

Judson Herrman

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

Readings of *Birds*, and *Frogs*, with an emphasis on genre, the polis, and the role of the chorus.

Greek 106. Greek Tragedy

Catalog Number: 6274

Albert Henrichs

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

Introduction to Attic tragedy, with attention to dramatic character, divine agency, and the role of the chorus. Reading of Sophokles' *Oidipous Tyrannos* and Euripides' *Hippolytos*.

Greek 107. Thucydides

Catalog Number: 8281

Nino Luraghi

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

An introduction, combining detailed study of Thucydides' style and rhetorical technique with attention to his sources and methods of composition. The entire *History* read in English; selections in Greek from the prefatory material, the speeches in Books I–III, the debates over Mytilene and Melos, and the narrative of the Sicilian disaster.

Greek 110r. Plato's Hippias Minor and Hippias Major

Catalog Number: 6229

Gisela Striker

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

A close reading of two early Platonic dialogues in which the sophist Hippias appears as interlocutor of Socrates. With attention to: cultural background, the contrasts and similarities between Socrates and the sophists, the stylistic techniques of the dialogue form, and last but not least the philosophical arguments.



Greek 112a. History of Greek Literature I

Catalog Number: 3052

William R. Allan

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

This course has two (interdependent) aims: the first is to present the literature of Archaic and early Classical Greece (from Homer to Aeschylus) in its social and poetic context; the second is to encourage a careful reading of the texts with particular attention to issues of genre, narrative, performance, imagery, and myth.

Greek 112b. History of Greek Literature II

Catalog Number: 6889

Albert Henrichs

Half course (spring term). M., W., F., at 11, and a one-hour section to be arranged. EXAM GROUP: 5

The 5th century and beyond, Comedy, Historiography, and Oratory.

Greek 134. The Language of Homer

Catalog Number: 5139

Calvert Watkins

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

Essentials of Greek comparative and historical grammar, and a close reading of *Iliad* 1 and 3. Diachronic aspects of Homeric grammar and diction.

Greek 150. Greek Rhetoric

Catalog Number: 1622

Mark Schiefsky

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

The origins and development of Greek rhetorical theory in the fifth and fourth centuries BC. Selections in Greek and English from Gorgias, Plato (Gorgias and Phaedrus), Aristotle's Rhetoric, and Isocrates.

Latin

Students who have studied Latin previously and have not taken the Advanced Placement Test should register at the Office of Instructional Research and Evaluation (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 A without taking the placement test. Further information on placement in Latin and the language requirement is available from the Director of Undergraduate Studies in Classics (Boylston Hall 231), or the Freshman Dean's Office.

Primarily for Undergraduates

Latin A. Beginning Latin

Catalog Number: 4759



Ivy Livingston and assistants

Half course (fall term). Section I: M., W., Th., F., at 9; Section II: M., W., Th., F., at 11. EXAM GROUP: 2, 11

Intended for students who wish to learn, or reacquaint themselves with, the basic elements of the Latin language. Reading of sentences and very brief passages from Latin authors.

Latin Aab. Beginning Latin (Intensive)

Catalog Number: 7111

Ivy Livingston (fall term), Judson Herrman (spring term), and assistants.

Full course (fall term; repeated spring term). M., through F., at 10; M., at 1. EXAM GROUP: 3
For students with little or no previous instruction in Latin who are seriously interested in making quick progress in the language. Covers all basic grammar and considerable practice in reading prose. Students are prepared for Latin 4.

Latin B. Beginning Latin

Catalog Number: 2101

Judson Herrman and assistants

Half course (spring term). Section I: M., W., Th., F., at 9; Section II, M., W., Th., F., at 11. EXAM GROUP: 10

Continuation of Latin A. Completion of basic grammar and introduction to reading of connected texts.

Latin 3. Latin Prose Selections (Classical)

Catalog Number: 2344

Ivy Livingston and assistant

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

This course is a bridge between the study of Latin grammar and the reading of prose authors. The readings are short selections from a variety of genres by authors such as Cicero, Pliny, Nepos, Sallust, and Petronius.

Note: Latin 3 and Latin 3m are intended to be equivalent in difficulty and to require identical background (Latin A and B or the equivalent). Students may take either 3 or 3m for degree credit; they are not allowed to take both courses simultaneously or consecutively.

Latin 3m. Latin Prose Selections (Medieval)

Catalog Number: 7123

Jan Ziolkowski and assistant

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

Begins with a review of fundamentals. Aims at increased facility in reading Latin, through a study of selected post-classical prose texts and authors such as the Vulgate Bible, Augustine and Abelard.

Note: Latin 3 and Latin 3m are intended to be equivalent in difficulty and to require identical background (Latin A and B or the equivalent). Students may take either 3 or 3m for degree credit; they are not allowed to take both courses simultaneously or consecutively.

Latin 4. Introduction to Latin Poetry

Catalog Number: 2488



Judson Herrman and assistant

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

Selections mainly from Ovid and Virgil.

For Undergraduates and Graduates

Latin H. Introductory Latin Prose Composition

Catalog Number: 3814

Kathleen M. Coleman and assistant

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Practice in the translation of sentences and connected prose passages into Latin. Study of idiom and practice in translation for those who wish to acquire an accurate knowledge of Latin expression and construction.

Prerequisite: Latin 3 or equivalent.

Latin K. Advanced Latin Prose Composition

Catalog Number: 5018

Richard F. Thomas

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

A study of the development of Latin prose style. Written compositions in various styles, combined with close reading and discussion of passages in Cato, Cicero, Sallust, Livy, Tacitus, and others.

Latin 102a. Catullus and Horace

Catalog Number: 7558

Kathleen M. Coleman

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

Reading and analysis of the poems of Catullus and Horace.

Note: Open to advanced first-year undergraduates.

Latin 104. Ovid: *Metamorphoses*

Catalog Number: 5994

William R. Allan

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

Ovid's witty, exuberant, and learned epic of change and mortality encompasses the history of the world from its creation to the apotheosis of Julius Caesar. This course examines the work's shaping of narrative and myth, its generic multiformity (embracing tragic, elegiac, comic, and pastoral motifs, as well as epic), and its equally complex vision of human existence.

Latin 106a. Virgil: *Eclogues* and *Georgics*

Catalog Number: 1456

Richard F. Thomas

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

Reading and discussion of the *Eclogues* and *Georgics* with attention to their place in the pastoral and agricultural traditions and to their generic status in Augustan poetry.



Latin 106b. Virgil: Aeneid

Catalog Number: 7069

Andreola Rossi

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

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 108. Cicero and Sallust on Catiline

Catalog Number: 5015

Christopher P. Jones

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

Readings of Cicero's *Catilinarian Orations* and Sallust's *Catilinarian Conspiracy* with attention to the style of the two authors, their rhetorical and narrative techniques, and the differences between their accounts of Catiline's conspiracy.

Latin 112a. History of Latin Literature I

Catalog Number: 7099

Andreola Rossi

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

The literature of the Republic and early Augustan period. Reading of extensive selections from the major authors, with lectures and discussion on the evolution and development of Latin prose and poetry. The course focuses on a variety of issues: Latin individuality through manipulation of inherited Greek forms, metrical and stylistic developments, evolving poetics, intertextuality and genre renewal, dynamic effects of social and political contexts.

Latin 112b. History of Latin Literature II

Catalog Number: 7643

Andreola Rossi

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

The literature of the Empire. Reading of selections from major authors, with lectures on the changing traditions and the background of Latin poetry and prose in the period.

Latin 117. Livy

Catalog Number: 1279

Nino Luraghi

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

An introduction to Livy's style and historical methods, with attention to Livy's place in the tradition of Roman historiography. Readings mainly from the narrative of early Rome and the war with Hannibal.

[Latin 134. Archaic Latin]

Catalog Number: 1327

Calvert Watkins

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 2002–03.

Latin 160. Roman Comedy

Catalog Number: 5520

Ivy Livingston

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Reading and discussion of Plautus' *Menaechmi* and Terence's *Adelphoe*, with particular attention to the language of the plays.

Primarily for Graduates

200-Level Seminars

Classics 255. Greek Epigraphy

Catalog Number: 1773

Christopher P. Jones

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

The course studies Greek inscriptions, and how to read and use them in the context of Greek language, history and culture. Subjects to be considered will include ancient literacy, the “epigraphic habit,” and the principles of editing and “restoring” inscriptions. The course will make use of local epigraphic collections.

Classics 265. Roman Epic

Catalog Number: 3471

Andreola Rossi

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A study of the transformation of Roman epic from its early Republican beginnings to the Flavian age. Attention to Homeric and Hellenistic models, intertextuality, narratology, literary genre (conflation of genres), and relation between epic and empire.

Classics 267. Greek Religion: Athens and Attica

Catalog Number: 5888

Albert Henrichs

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

The role of ritual in Athenian cults and festivals. Texts, images and the scholarship of the 20th century will be used to explore connections between basic performance contexts in Greek religion.

Classics 277. Latin Palaeography

Catalog Number: 2772

R. J. Tarrant

Half course (spring term). W., 3:30–5:30. EXAM GROUP: 8, 9

The evolution of Latin script from antiquity to the rise of print, with emphasis on periods and types of script important for the transmission of classical Latin literature.



Graduate Courses of Reading and Research

***Classics 300. Direction of Doctoral Dissertations**

Catalog Number: 4543

Richard F. Thomas 1630, Kathleen M. Coleman 2289 (on leave spring term), John Duffy 1352 (on leave 2002-03), Albert Henrichs 4085, Christopher P. Jones 3204, Ivy Livingston 2293 (on leave spring term), Nino Luraghi 2408 (on leave 2002-2003), David Gordon Mitten 1290, Gregory Nagy 1423, Gloria Ferrari Pinney 1384 (on leave fall term), Eric W. Robinson 2724 (on leave 2001-02), Panagiotis Roilos 1982, Andreola Rossi 3381, Mark Schiefsky 2354, Charles P. Segal 2596 (on leave 2001-02), Gisela Striker 2271 (on leave spring term), R. J. Tarrant 7503 (on leave fall term), Calvert Watkins 2553, and Jan Ziolkowski 7275

***Classics 301. Reading or Topics Course**

Catalog Number: 3457

Richard F. Thomas 1630, Kathleen M. Coleman 2289 (on leave spring term), John Duffy 1352 (on leave 2002-03), Albert Henrichs 4085, Christopher P. Jones 3204, Ivy Livingston 2293 (on leave spring term), Nino Luraghi 2408 (on leave 2002-2003), David Gordon Mitten 1290, Gregory Nagy 1423, Gloria Ferrari Pinney 1384 (on leave fall term), Eric W. Robinson 2724 (on leave 2001-02), Panagiotis Roilos 1982, Andreola Rossi 3381, Mark Schiefsky 2354, Charles P. Segal 2596 (on leave 2001-02), Gisela Striker 2271 (on leave spring term), R. J. Tarrant 7503 (on leave fall term), Calvert Watkins 2553, 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

Richard F. Thomas 1630, Kathleen M. Coleman 2289 (on leave spring term), John Duffy 1352 (on leave 2002-03), Albert Henrichs 4085, Christopher P. Jones 3204, Ivy Livingston 2293 (on leave spring term), Nino Luraghi 2408 (on leave 2002-2003), David Gordon Mitten 1290, Gregory Nagy 1423, Gloria Ferrari Pinney 1384 (on leave fall term), Eric W. Robinson 2724 (on leave 2001-02), Panagiotis Roilos 1982, Andreola Rossi 3381, Mark Schiefsky 2354, Charles P. Segal 2596 (on leave 2001-02), Gisela Striker 2271 (on leave spring term), R. J. Tarrant 7503 (on leave fall term), Calvert Watkins 2553, and Jan Ziolkowski 7275

***Classics 350. Classical Philology: Proseminar**

Catalog Number: 4026

John Duffy 1352 (on leave 2002-03) and Richard F. Thomas 1630

Half course (fall term). M., at 1; M., at 2.

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 Ph.D. in Classical Philology. Open to other students by permission of instructor.

[*Classics 351. Classical Archaeology Proseminar]

Catalog Number: 5073

Gloria Ferrari Pinney 1384 (on leave fall term) and David Gordon Mitten 1290

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: Expected to be given in 2002–03. For first-year students working toward the Ph.D. in Classical Archaeology. Open to other students by permission of the instructor.

Cross-listed Courses

[*Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar]

Medieval Greek

For Medieval Greek history see History 1211a and 1211b.

For Undergraduates and Graduates

Medieval Greek 115ar. Introduction to Byzantine Greek

Catalog Number: 7682

John Duffy

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

Introduces the student to medieval Greek language and literature and, through selected readings, to important elements of Byzantine culture and society. Texts chosen from different genres and periods to reflect the great diversity of Byzantine life and letters. Types of literature will include: devotional reading, biographies, chronicles, sacred and secular poetry, letters, ecphrasis, scholarly writings, and histories. Choice of readings will correspond in part to the specific interests and needs of the participants.

Prerequisite: Greek A and B or equivalent.

Medieval Greek 125. Byzantine Religious Tales

Catalog Number: 6630

John Duffy

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

Reading a selection from the corpus of Byzantine religious tales and legends, including some that went on to have fruitful careers in Medieval Latin and other languages. Examples: The Jewish Boy Legend; The Sinner's Vision; The Drunken Nun; Boys Celebrating the Eucharist; The Heretical Businessman.

Prerequisite: Three terms of Medieval or Classical Greek, or equivalent.

Primarily for Graduates

Medieval Greek 285. The Literature of Iconoclasm

Catalog Number: 4958

John Duffy

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

The seminar will explore a variety of literary sources and genres that cover the rise and spread of



animosity towards sacred images in 8th and 9th century Byzantium, the waves of repression and violence that resulted, and the theological arguments used on both sides of the controversy.

Medieval Latin

For Undergraduates and Graduates

[Medieval Latin 117. Fairy Tales and Their Tellers in the Middle Ages]

Catalog Number: 3179

Jan Ziolkowski

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

Examines folktales preserved in Medieval Latin and compares them with versions in Grimm, Andersen, and other 19th-century collections. Considers storytellers (old women, peasants, travelers, and professionals), their audiences, and their messages.

Note: Expected to be given in 2002–03.

Prerequisite: Completion of Latin 4 or other preparation in Latin satisfactory to the instructor.

Primarily for Graduates

[Medieval Latin 205. Waltharius Seminar]

Catalog Number: 9120

Jan Ziolkowski

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

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.

Note: Expected to be given in 2002–03.

Medieval Latin 251 (formerly Medieval Latin 151). Virgil in the Middle Ages

Catalog Number: 4036

Jan Ziolkowski

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

Examines the reception of Virgil in the Middle Ages. Considers approaches taken to the *Aeneid* in particular in medieval education, from the most literal glosses and commentary in grammar schools to the allegorizations found in more advanced milieux. Focuses also on folklore associated with Virgil and his poetry.

Cross-listed Courses

Latin 3m. Latin Prose Selections (Medieval)

Literature and Arts C-22. European Culture in the Middle Ages

Classical Archaeology

For Undergraduates and Graduates



[Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200–300 BCE]

Catalog Number: 0835

David Gordon Mitten

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

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. Readings, short papers on original works of art in Boston area museums, and a research paper.

Note: Expected to be given in 2002–03.

Classical Archaeology 136. Archaeology of the Aegean Bronze Age

Catalog Number: 7582

David Gordon Mitten

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

The beginnings of civilization in Greece and the Aegean islands; palaces and towns of Crete and Greece; wall paintings, pottery, ivory- and metal-work; trade with Egypt and the East, burial customs, religion, writing (Linear B); the Trojan War and the Homeric tradition.

Classical Archaeology 143. Two Panhellenic Greek Sanctuaries: Olympia and Delphi

Catalog Number: 4192

David Gordon Mitten

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

The cults, art and architecture of these two most important sanctuaries in Greece will receive intensive attention and will serve as the basis for examining how Greek art and religion interacted from the Iron Age through the end of Classical Antiquity.

Prerequisite: Courses in classical archaeology, ancient history, and art history are not required, but would be helpful.

Classical Archaeology 180. Coinage, Politics, and Economy in the Greek World

Catalog Number: 1746

David Gordon Mitten

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

The development and use of Greek coinage surveyed in connection with its impact upon the political, social, and economic life of the Greek states down to the consolidation of Roman rule in the eastern Mediterranean region. The importance of Greek coins as evidence for historical, religious, artistic, social, and archaeological problems in Greek civilization is emphasized. As circumstances permit, coins from the Fogg Art Museum collection will serve as research material.

Note: Open to qualified undergraduates as well as to students of the Harvard Divinity School.

Prerequisite: Some previous work in classical literature or archaeology or ancient history.

Primarily for Graduates



Classical Archaeology 241. Narrative in Ancient Greek Art

Catalog Number: 4461

Gloria Ferrari Pinney

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

In the history of ancient art, major issues concerning the structure of visual narrative and their relationship to the structure of texts were exposed in a landmark study by Carl Robert in 1881. With few, albeit important exceptions, discussions of this important subject since then have largely remained within the parameters set by Robert. This seminar will re-examine that tradition of scholarly inquiry and move on to explore what theories of narrative that have shaped literary and art historical studies may contribute to the interpretation of ancient Greek modes of visual narrative.

Classical Archaeology 255 (formerly Classical Archaeology 244). Art and Archaeology of the Etruscans

Catalog Number: 2785

David Gordon Mitten

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

The Etruscans created a distinctive tradition of architecture, painting, and minor arts that critically shaped the culture of the Roman republic and empire. Readings, short reports, and a research paper; original objects in Boston and Cambridge museums will be emphasized.

Modern Greek

For Undergraduates and Graduates

Modern Greek A. Elementary Modern Greek

Catalog Number: 8604

Panagiotis Roilos and assistant

Full course. M., W., F., at 10, and a fourth hour for conversation. Laboratory, both terms.

EXAM GROUP: 3

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., F., at 11, W., 11–12; Spring: M., F., at 11, W., at 3. EXAM GROUP: Fall: 4; Spring: 4, 8

For students with an elementary knowledge of modern Greek (equivalent to that acquired in Modern Greek A). Aims at further development of skills in speaking, comprehension, reading, and writing. Selected readings in prose (literary and journalistic), poetry, folksongs, modern music, and theatre serve as an introduction to aspects of modern Greek literature and culture. The second semester 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.



***Modern Greek 100 (formerly Modern Greek C). Advanced Modern Greek: Introduction to Modern Greek Literature**

Catalog Number: 8487

Panagiotis Roilos

Half course (fall term). Tu., 1–3. EXAM GROUP: 7, 8

Close literary and linguistic analysis of selected readings in prose, theatre, poetry, and folksongs.

Authors include: Cavafy, Seferis, Elytis, Axioti, Kambanelis, Tachtsis, Iordanidou.

Note: Conducted in Greek. Students must have completed Modern Greek B or equivalent and must have permission of the instructor.

Modern Greek 114. Exploring Modernism: The Poetry of C.P. Cavafy and G. Seferis

Catalog Number: 1973

Panagiotis Roilos

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

Explores the ways in which Cavafy and Seferis responded to modernist aesthetics and constructed their personal poetic mythology. Topics to be studied include: tradition and modernism, nostalgia and memory, poetics and desire.

[Modern Greek 125. Greek Modernism]

Catalog Number: 0315

Panagiotis Roilos

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

Explores the theory and practice of Greek Modernism and its response to European literary context, focusing on “The Generation of the 1930s” and the Surrealists.

Note: Expected to be given in 2002–03. All texts available in English.

Primarily for Graduates

Modern Greek 200. Approaches to Modern Greek Oral Literature

Catalog Number: 4128

Panagiotis Roilos

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

Explores different genres of modern Greek oral literature and their performative contexts.

Examines the interaction between orality and literacy, ritual and “text,” metaphor and performance. Comparative examples and original material recorded by the instructor will be also studied.

Note: All texts available in English. Open to qualified undergraduates.

Modern Greek 201. Poetics of the Spirit: Nikos Kazantzakis

Catalog Number: 6259

Panagiotis Roilos

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

Examines Kazantzakis’s work in juxtaposition with European aestheticism and the philosophy of Nietzsche and Berxson. Topics include: love and sacrifice, salvation and death, transcendence and tragedy. Films based on his novels are also discussed.



Note: All texts available in English although students will be encouraged to read in the original when possible. Open to qualified undergraduates.

[Modern Greek 203. The Historical Novel]

Catalog Number: 0269

Panagiotis Roilos

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

Against a background of theoretical readings on historiography, the historical novel, historiographic metafiction, and generic criticism, major examples of the Greek historical novel and their dialogue with broader cultural and political issues will be explored. Authors studied include: Rangavis, Papadiamantis, Karagatsis, Terzakis, Vlachos, Valtinos, Galanaki, Douka.

Note: Expected to be given in 2002–03.

Comparative Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Comparative Literature

Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin (*Chair*)

Svetlana Boym, Professor of Slavic Languages and Literatures and of Comparative Literature (*on leave spring term*)

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature (*Director of Graduate Studies*)

Luis M. Girón Negrón, Assistant Professor of Comparative Literature and Romance Languages and Literatures (*on leave spring term*)

John T. Hamilton, Assistant Professor of Comparative Literature and Literature

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*on leave 2001-02*)

Walter Kaiser, Francis Lee Higginson Professor of English Literature and Professor of Comparative Literature, Emeritus (*on leave 2001-02*)

Despina Kakoudaki, Assistant Professor of Comparative Literature and of Literature

James L. Kugel, Harry Starr Professor of Classical and Modern Jewish and Hebrew Literature and Professor of 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 2002-2003*)

Judith Ryan, Harvard College Professor and Robert K. and Dale J. Weary Professor of German



and Comparative Literature (*on leave fall term*)

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature

William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature

Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature (*on leave spring term*)

Other Faculty Offering Instruction in the Department of Comparative Literature

Sacvan Bercovitch, Powell M. Cabot Research Professor of American Literature (*on leave fall term*)

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

Karl S. Guthke, Kuno Francke Professor of German Art and Culture

Robert Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of English (*on leave spring term*)

Sandra Naddaff, Senior Lecturer on Literature

Maria Tatar, Harvard College Professor and John L. Loeb Professor of Germanic Languages and Literatures

Alfred Thomas, John L. Loeb Associate Professor of the Humanities, John L. Loeb Associate Professor of the Humanities

This field is organized to facilitate the systematic study of subjects and problems common to the various literatures. Programs leading to the degrees of A.M. and Ph.D. may, with the approval of the Department, be undertaken by properly qualified graduate students. Though undergraduates may not concentrate in Comparative Literature, their attention is called to the Literature Concentration, to History and Literature, to the Classics and allied fields, and to options in the concentration in English and American Literature and Language. The courses listed below are designed to supplement the offerings of other departments in ancient and modern languages and related fields, including the Literature and Arts courses in the Core Curriculum.

For Undergraduates and Graduates

[Comparative Literature 102x. How to Think Money]

Catalog Number: 8734

Marc Shell

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

Introduction to aesthetic and economic form in literature, painting, music, and cinema.

Theoretical perspectives from Plato, Kant, Hegel, Marx, Heidegger, Simmel, Burke, Derrida, Baudrillard. Attention to issues of symbolic mediation, theme and structure. Works include Shakespeare's *Merchant of Venice*, Metsys' *Moneychanger and His Wife*, Poe's "Wall Street," Bresson's *Money*, Wagner's *Ring of the Nibelung*, Charles Ives' *Marches*.

Note: Expected to be given in 2002–03.



[Comparative Literature 103r. Literature and Politics: The Case of Zionism]

Catalog Number: 6773

Ruth R. Wisse

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

Seminar on the interrelationship between politics and literature. Studies novels, stories, poems, and dramas that engage in the struggle over the settlement and creation of Israel. Works in different languages reflect different cultural traditions and perspectives. Writers include George Eliot, Haim Nahman Bialik, Yosef Haim Brenner, Sholem Aleichman, S.Y. Agnon, Haim Hazaz, Arthur Koestler, Herman Wouk, A.B. Yehoshua, A.M. Klein.

Note: Expected to be given in 2002–03.

Comparative Literature 111. From Type to Self in the Middle Ages

Catalog Number: 9245

Luis M. Girón Negrón

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

Examines self-representation and the emergence of the individual in selected first-person narratives and poems from medieval/early modern Europe. Examples drawn from spiritual autobiographies (Augustine, Margery Kempe, Teresa of Avila), letter collections (Heloise and Abelard), *maqama* literature, troubadour lyric, Hispano-Jewish poetry (Solomon ibn Gabirol, Judah Halevi), pilgrimage narratives, medieval allegories, Dante, Spanish colonial historiography, and the picaresque novel.

Note: All readings in English translation.

[Comparative Literature 112. Religion and Literature in the Middle Ages]

Catalog Number: 6579

Luis M. Girón Negrón

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

An introduction to religion as a cultural context for literary expression in the Middle Ages. Selected case studies on the following themes: poetry, prophecy and mysticism; Scriptural interpretation and allegorical fiction; dreams and visions of the other-world; Jews, Christians and Muslims; magic and astrology; miracle stories and medieval society; the philosophical tradition; ritual and theater, pilgrimage narratives; and saints and heroes as literary types.

Note: Expected to be given in 2002–03. All readings in English translation.

[Comparative Literature 151. The Faust Legend in Literature]

Catalog Number: 6217

Karl S. Guthke

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

Important works in the Faust tradition, from the *Faustbuch* (1587) to the 20th century, with emphasis on Marlowe, Calderón, Lessing, Goethe, Byron, Berlioz, and Mann.

Note: Expected to be given in 2002–03. No reading knowledge of Spanish, French, or German required.

Comparative Literature 156. The Literature of Destruction

Catalog Number: 2746

Ruth R. Wisse



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

How does art, which strives for perfection, confront the attempt to desecrate and obliterate a people? How does culture influence responses to the destruction of European Jewry—what English calls the “Holocaust?” This course addresses these questions through study of works in various languages and genres, including diaries of the Warsaw and Vilna ghettos, memoirs, novels, plays, and poems. All readings in translation.

Comparative Literature 158. Turning the Century: Culture, Technology, and Representation, 1870-1910

Catalog Number: 9311

Despina Kakoudaki

Half course (fall term). Tu., Th., at 10 and occasional film screenings to be arranged. EXAM GROUP: 12

This interdisciplinary class explores the rise of a culture of novelty in the period from 1870 to 1910. Focus on the emergence of new visual media such as photography and film, new ideas about the body and sexuality, and a new relationship to public space and consumer culture.

[Comparative Literature 159. The Peasant in Literature: Conference Course]

Catalog Number: 9742

George G. Grabowicz

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

The perception of the peasant as topic, as ideal, and as the Other in 19th- and 20th-century literature. Examines the paradigms and strategies of Romantic idealization, realism and verismo, naturalism, impressionism and symbolism, as well as ideological stances (populism, Marxism, socialist realism, anti-fascism) and psychological attitudes (from self-identification to demonization). Authors treated include George Sand, Shevchenko, Turgenev, Hardy, Tolstoy, Zola, Reymond, Verga, Kociubynskyj, Silone, Platonov, Solzhenitsyn, and Kosinski.

Note: Expected to be given in 2002–03. All texts can be read in English.

Comparative Literature 160. Literary Forgeries and Mystifications

Catalog Number: 3614

George G. Grabowicz

Half course (spring term). Tu., 12–2. EXAM GROUP: 14, 15

Examines literary forgeries and mystifications (from Ossian and the Igor Tale to Ern Malley and the Book of Vles) with special focus on their “national” dimension, i.e., their role in modern identity formation and political mythmaking. Also considers the psychology and esthetics of simulation and mystification and their reflection in selected works of Gide, Borges, Nabokov, Pavic and others.

Note: All readings in English.

Comparative Literature 163. From Kafka to Kundera: Questions of Identity in Central European Modernist Fiction

Catalog Number: 7586

Alfred Thomas

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

Explores interrelated issues of ethnicity, gender, and sexuality in key works by German, Polish,



and Czech writers of the 20th century (Witold Gombrowicz, Egon Hostovsky, Bohumil Hrabal, Franz Kafka, Milan Kundera, Robert Musil, Arthur Schnitzler, Bruno Schulz, and Richard Weiner.) Includes film versions of Kafka's "The Trial" and Schnitzler's "Dream Story."
Note: All readings in English.

[Comparative Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course]

Catalog Number: 7762

George G. Grabowicz

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

Psychological, mythic, "catastrophist," and comic tendencies in the Eastern and Central European novel between the two World Wars (1918–1939). Focus on Kafka, Capek, Bulgakov, Schulz, Witkiewicz, Gombrowicz, and Nabokov.

Note: Expected to be given in 2003–04. All texts can be read in English translation.

Comparative Literature 165. The Holocaust and Problems of Representation

Catalog Number: 0577 Enrollment: Limited to 20.

Susan R. Suleiman

Half course (spring term). Th., 3–5:30; and additional film screenings to be arranged. EXAM GROUP: 17, 18

Can the story of the Holocaust be told? Is there such a thing as "the story" of the Holocaust? Who is authorized to tell it, and how? Do aesthetic categories apply to Holocaust art? Are some representations unacceptable? If so, why? We will explore these and other questions raised by a wide range of works (oral and written testimonies, novels, essays, comic strips, documentary and feature films, poetry, monuments) produced from 1945 to the present in Europe, Israel, and the United States. Works by Levi, Wiesel, Lanzmann, Ophuls, Appelfeld, Fink, Spiegelman, Spielberg, Delbo, and others.

[Comparative Literature 166. The Comic Tradition in Jewish Culture]

Catalog Number: 3418

Ruth R. Wisse

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

Studies some of the genres, subjects, theories and uses of comedy in Modern Jewish culture. Examines the joke, parody, satire, film and stage comedy, and stand-up humor. Asks what are the functions of humor? What are the methods of humor? Does humor have a national dimension? Are Jews predisposed to comedy, and if so, why?

Note: Expected to be given in 2002–03. Readers of Yiddish may take this course as Yiddish 200.

[Comparative Literature 167. Contemporary Fiction: The Novel After Theory]

Catalog Number: 1808

Judith Ryan

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

Examines a series of novels from 1980 to the present that build consciously on recent literary and cultural theory. Also explores the relation of fictional narrative to history, social problems, and ideology. Authors treated include: Helen Darville, Marguerite Duras, David Malouf, Christoph Ransmayr, Marilynne Robinson, Patrick Süsskind, Graham Swift, and Christa Wolf. Theorists



include: Barthes, Bhabha, Baudrillard, Derrida, Hassan, Lacan, and White.

Note: Expected to be given in 2002–03.

[Comparative Literature 168. Literature and Film]

Catalog Number: 8121

Svetlana Boym

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

Focuses on literary and cinematic techniques of representation and the ways in which different media reflect and inform modern cultural myths. Special attention to representation of history and memory in East and West European film and to the tradition of cinematic experimentation from the silent era to the present. Works by Vertov, Eisenstein, Gogol, Trauberg, Nabokov, Kubrik, Jarmusch, Cortázar, Antonioni, Kundera, Vajda, Tarkovsky, Varda, Sarraute, and others.

Note: Expected to be given in 2002–03.

[Comparative Literature 182. Comparative Cultures of Money]

Catalog Number: 0539

Marc Shell

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

Language and money as means of representation and exchange. Special attention to presumptions about politics, imitation, and the visual arts. Readings include texts by modern theorists as well as Aristotle, Balzac, Del Mar, Goethe, Heidegger, Hess, Martineau, Pascal, Shakespeare, Thoreau, and Ueda.

Note: Expected to be given in 2002–03.

Primarily for Graduates

[*Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar]

Catalog Number: 7426

Gregory Nagy

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

Genres, forms, and themes of oral traditions in poetry and prose. Problems of analyzing divergences and convergences in oral and written literatures. The concept of the canon in oral and written literatures. Theories of performance and composition. Comparative metrical and formulaic analysis.

Note: Expected to be given in 2002–03. Knowledge of Greek not required. Qualified undergraduates welcome.

Comparative Literature 208. Experience and Expression: Seminar

Catalog Number: 0767

John T. Hamilton

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Addresses the issue of subjective immediacy and the expropriating power of language within the German and French tradition: Rousseau, Goethe, Hölderlin, Hegel, Nietzsche, Mallarmé, Rimbaud, Rilke, Bergson, Dilthey, Heidegger, Lacan and Celan.



***Comparative Literature 210. Comparative Themes in the Literatures of Medieval Spain: Seminar**

Catalog Number: 3298 Enrollment: Limited to 15.

Luis M. Girón Negrón

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

Examines Jewish-Christian-Muslim interaction as a Hispano-Medieval paradigm of cultural creativity. Examples drawn from the Spanish epic, the *muwashshahat*, Hispano-Jewish poetry, the short story tradition, *maqama* literature, the *adab* tradition, medieval didactica, historical chronicles, polemical writings, the Sephardic *romancero*, *cancionero* poetry, *La Celestina*, and Spanish mystical literature.

Note: Spanish, Latin, Arabic, and Hebrew materials will be read in English translation but students are encouraged to work with the originals.

[*Comparative Literature 211. Mysticism and Literature: Seminar]

Catalog Number: 3867

Luis M. Girón Negrón

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

Examines trends, issues, and debates in the comparative study of mystical literature. Close readings of primary works by Jewish, Christian, and Muslim authors from the Middle Ages through the 16th century. Topics include poetry and mysticism; allegory, symbolism, and Scripture; body and gender; apophysis vs. cataphasis; exemplarity and autobiographism; language and experience. Also examines creative engagement of premodern mystical literature in selected works by modern authors (Borges, T.S. Eliot, Goytisolo) and literary theorists (DeCerteau.)

Note: Expected to be given in 2003–04.

Comparative Literature 215. Melopoeia: On German Music and Letters: Seminar

Catalog Number: 9138

John T. Hamilton

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

Examines music theories in German literature and philosophy (Schlegel to Adorno). Topics include: Romantic Universalpoesie, the syntax of melody, the tone-poem, secularization and the rise of chromatization, Kulturpolitik; etc.

[*Comparative Literature 260. Literature and Exile: Seminar]

Catalog Number: 3691

Svetlana Boym

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

Explores the intimate connection between literature and exile through fiction, poetry, autobiographical and critical writings of writer-expatriates. Topics to be considered include exile as a metaphor and as an experience, nostalgia and irony, imagined homelands and national canons, bilingualism and transnational identity. Readings from Nabokov, Kundera, Sarraute, Cortázar, Rushdie, Brodsky.

Note: Expected to be given in 2002–03. Open to qualified undergraduates.



[*Comparative Literature 261. Memory and Modernity: Seminar]

Catalog Number: 6923 Enrollment: Limited to 15.

Svetlana Boym

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

Explores modern art of memory in literary, philosophical, and critical texts. Topics to be considered: nostalgia and search for newness, collective and individual memory, conspiracy theories and ethics of remembering, modern “memory sites” — metropolis, museum, monument, home. Special attention to contemporary East-European reflection on art, memory, and nation. Readings from Baudelaire, Benjamin, Nietzsche, Proust, Nabokov, Tsvetaeva, Kundera, Kis, Levi, Cortázar, Borges, Brodsky, Lyotard, and others.

Note: Expected to be given in 2002–03. All texts available in English, but reading texts in the original is encouraged. Primarily for graduate students; qualified undergraduates welcome.

***Comparative Literature 262. Aesthetics and Freedom**

Catalog Number: 5308

Svetlana Boym

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Examines philosophical, political, and aesthetic conceptions of freedom from French and American revolutions to postcommunism. Topics: aesthetic education and politics, democratic individualism and the myth of America, love and experience of modernity, avantgarde revolution and writers’ trials, technology and ethics.

Note: Open to graduate students and qualified undergraduates. The discussions in class will be 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 265. Vision in Motion: Science and Technology in Early Film

Catalog Number: 6060

Despina Kakoudaki

Half course (spring term). M., 4–6; Film Screenings: F., 2–4. EXAM GROUP: 9

This class explores the emergence of the moving image and its relationship to science, narrative, technological innovation, and representation. We will examine pre-cinematic experiments in photography and other media, film techniques and technologies, and the work of major early filmmakers and studios.

***Comparative Literature 269. Paralysis: Seminar**

Catalog Number: 8517

Marc Shell

Half course (fall term). Th., 4–6. EXAM GROUP: 18

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: Open to undergraduates by special permission.



Comparative Literature 275. Theory of Narrative: Conference Course

Catalog Number: 3105 Enrollment: Limited to 15.

William Mills Todd III

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

Studies of narrative (fictional, psychoanalytic, historical, sacred) as verbal structure, representation, rhetoric, and social phenomenon. Readings by Jakobson, Barthes, Bakhtin, Iser, Lukács, Foucault, and others. Analysis of the theoretical readings with reference to Russian and European narratives.

Note: Open to advanced undergraduates and graduates. Recommended for potential teaching fellows for Literature and Arts A-60.

[*Comparative Literature 280. Literary Theory and Criticism in the Middle Ages: Seminar]

Catalog Number: 2215

Jan Ziolkowski

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

Examines the place of theory and criticism in the curriculum (grammar, rhetoric, and dialectic). Topics include allegory and allegoresis; nature of medieval glosses and commentaries; continuity of Platonic and Aristotelian traditions; medieval sign theory. Readings include works by Augustine, Fulgentius, Bede, Bernard Silvestris, Matthew of Vendôme, Geoffrey of Vinsauf, Snorri Sturluson, Dante, and Boccaccio.

Note: Expected to be given in 2002–03.

***Comparative Literature 283. Language War: Seminar**

Catalog Number: 9342

Marc Shell

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

Considers language difference as a cause of war. Areas for study include ancient Gilead and Rome as well as Quebec, Nigeria, Hispaniola, the Balkans, Britain, and Israel. Literary problems include translation, heteroglossia, accent, and multilingualism. Texts by Aeschylus, Shakespeare, Goethe, Celan, and Beckett; theoretical works in sociolinguistics, politics, and rhetoric.

Note: Open to undergraduates by special permission.

***Comparative Literature 285. Comparative Romantic Theory: Seminar**

Catalog Number: 0752

James Engell

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Intensive readings in Anglo-American and Continental theory of the Romantic period with relevant 20th-century commentary (e.g., Coleridge, Schelling, Keats, de Man, Todorov, and McFarland on allegory and symbol). Topics include language theory, irony, influence and originality, expression and reception, literary forms (genre), gender, the recent self-conscious nature of romantic studies, and aesthetics.

Prerequisite: Some prior knowledge of Romantic literature. Reading knowledge of German desirable but not required.



***Comparative Literature 287r. Selected Topics in Poetics and Rhetoric: Seminar**

Catalog Number: 7999

Gregory Nagy

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

Points of departure: Aristotle's *Poetics* and *Rhetoric*.

Note: Knowledge of Greek not required. Qualified undergraduates welcome.

***Comparative Literature 299ar (formerly *Comparative Literature 299a). Literary Theory: Proseminar**

Catalog Number: 2431

Stephen Owen

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to some perennial problems in literary studies (mimesis, authorship, form) and to some of the ways in which these problems have been discussed in literary theory since the 1960's.

Note: Required of first-year graduate students in Comparative Literature; others may be admitted by permission of instructor.

Graduate Courses of Reading and Research

***Comparative Literature 396. Preparation for the General Examinations**

Catalog Number: 4570

Jan Ziolkowski 7275, Sacvan Bercovitch 7638 (on leave fall term), Svetlana Boym 1926 (on leave spring term), Joaquim-Francisco Coelho 7715, James Engell 8076, Luis M. Girón Negrón 3060 (on leave spring term), George G. Grabowicz 4511, Karl S. Guthke 1715, John T. Hamilton 3977, Barbara E. Johnson 7626 (on leave 2001-02), Walter Kaiser 2561 (on leave 2001-02), Despina Kakoudaki 3979, Robert Kiely 1621 (on leave spring term), James L. Kugel 7575, Sandra Naddaff 7779, Gregory Nagy 1423, Stephen Owen 7418 (on leave 2002-2003), Judith Ryan 1135 (on leave fall term), Marc Shell 3176, Susan R. Suleiman 7234, Maria Tatar 3645, William Mills Todd III 1634, and Ruth R. Wisse 3177 (on leave spring term)

***Comparative Literature 397. Direction of Doctoral Dissertations**

Catalog Number: 0320

Jan Ziolkowski 7275, Sacvan Bercovitch 7638 (on leave fall term), Svetlana Boym 1926 (on leave spring term), Joaquim-Francisco Coelho 7715, James Engell 8076, Luis M. Girón Negrón 3060 (on leave spring term), George G. Grabowicz 4511, Karl S. Guthke 1715, John T. Hamilton 3977, Barbara E. Johnson 7626 (on leave 2001-02), Walter Kaiser 2561 (on leave 2001-02), Despina Kakoudaki 3979, Robert Kiely 1621 (on leave spring term), James L. Kugel 7575, Sandra Naddaff 7779, Gregory Nagy 1423, Stephen Owen 7418 (on leave 2002-2003), Judith Ryan 1135 (on leave fall term), Marc Shell 3176, Susan R. Suleiman 7234, Maria Tatar 3645, William Mills Todd III 1634, and Ruth R. Wisse 3177 (on leave spring term)

***Comparative Literature 399. Reading and Research**

Catalog Number: 2893

Jan Ziolkowski 7275, Sacvan Bercovitch 7638 (on leave fall term), Svetlana Boym 1926 (on leave spring term), Joaquim-Francisco Coelho 7715, James Engell 8076, Luis M. Girón Negrón



3060 (on leave spring term), George G. Grabowicz 4511, Karl S. Guthke 1715, John T. Hamilton 3977, Barbara E. Johnson 7626 (on leave 2001-02), Walter Kaiser 2561 (on leave 2001-02), Despina Kakoudaki 3979, Robert Kiely 1621 (on leave spring term), James L. Kugel 7575, Sandra Naddaff 7779, Gregory Nagy 1423, Stephen Owen 7418 (on leave 2002-2003), Judith Ryan 1135 (on leave fall term), Marc Shell 3176, Susan R. Suleiman 7234, Maria Tatar 3645, William Mills Todd III 1634, and Ruth R. Wisse 3177 (on leave spring term)

Note: Candidates for the doctoral degree in Comparative Literature may pursue advanced studies under the individual supervision of these instructors. Permission to register for this course should be obtained from the instructor whose guidance is sought and from the Chairman of the Department.

Computer Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Division of Engineering and Applied Sciences Offering Instruction in Computer Science

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science (on leave fall term)

James L. Frankel

Steven J. Gortler, Associate Professor of Computer Science on the Gordon McKay Endowment (Director of Undergraduate Studies)

Barbara J. Grosz, Higgins Professor of Natural Sciences

Marco Iansiti, Professor of Business Administration (Business School)

H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering (on leave spring term)

Henry H. Leitner, Senior Lecturer on Computer Science

Harry R. Lewis, Gordon McKay Professor of Computer Science and Dean of Harvard College

Michael D. Mitzenmacher, Assistant Professor of Computer Science on the Gordon McKay Endowment

Robert Muller, Visiting Associate Professor of Computer Science

Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences and Professor of Physics (Dean of the Division of Engineering and Applied Sciences)

Anthony G. Oettinger, Gordon McKay Professor of Applied Mathematics and Professor of Information Resources Policy

David C. Parkes, Assistant Professor of Computer Science on the Gordon McKay Endowment

Avrom J. Pfeffer, Assistant Professor of Computer Science on the Gordon McKay Endowment

Michael O. Rabin, Thomas J. Watson, Sr. Professor of Computer Science



Norman Ramsey, Assistant Professor of Computer Science on the Gordon McKay Endowment
 Margo I. Seltzer, Gordon McKay Professor of Computer Science (*on leave fall term*)
 Stuart M. Shieber, Harvard College Professor and Gordon McKay Professor of Computer Science (*on leave spring term*)
 Christopher A. Small, Lecturer on Computer Science
 Keith Arnold Smith, Lecturer on Computer Science
 Michael D. Smith, Gordon McKay Professor of Computer Science and Electrical Engineering
 Salil P. Vadhan, Assistant Professor of Computer Science on the Gordon McKay Endowment
 Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics
 James H. Waldo, Lecturer on Computer Science
 Gu-Yeon Wei, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

The Division of Engineering and Applied Sciences offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended curricula may be obtained from the Academic Office, Pierce Hall 110a. Division faculty also offer several courses in the section entitled General Education Electives.

Primarily for Undergraduates

For information concerning concentration in Computer Science please consult the Director of Undergraduate Studies or the Academic Office, Division of Engineering and Applied Sciences, Pierce Hall 110a. 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: General Education 156, Linguistics 112a, 112b, Philosophy 144, Physics 123, Statistics 110, 111, 171.

Computer Science 50. Introduction to Computer Science I

Catalog Number: 4949

Robert Muller

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. Laboratory exercises include extensive programming in the C language and experimenting with and analyzing software systems.

Note: No previous computer experience required.

Computer Science 51. Introduction to Computer Science II

Catalog Number: 3411

Henry H. Leitner

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

Abstract models for computational processes and their concrete realizations. Functional, imperative, object-oriented and event-driven styles of programming. The structure, interpretation



and compilation of programming languages. State-space search, finite-state processes, formal logic, and syntactic and semantic formalisms as examples of useful abstractions. The engineering of complex software through procedural and data abstractions. Laboratory exercises using LISP, C++, and Java.

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.

In this course a student may undertake supervised individual study of advanced topics in computer science beyond those covered in regular courses, or may participate in a computer science research project. Students writing theses may enroll in this course while conducting their thesis research and writing. A student wishing to enroll in Computer Science 91r must be accepted by a faculty member who will supervise the course work and will specify the syllabus or project description. A form available in the Division of Engineering and Applied Sciences Academic Office, Pierce Hall 110a, must be filled out with a description of the course work and the basis for its evaluation. This form must be signed by the student and the faculty supervisor and filed in the Academic Office by the date on which study cards are due. A written report of the work carried out in the course is ordinarily required by the beginning of the reading period.

Note: Ordinarily, 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 120. Introduction to Cryptography

Catalog Number: 5911

Salil P. Vadhan

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

Algorithms to guarantee privacy and authenticity of data during communication and computation. Emphasis on 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.

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: 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 51; some exposure to discrete applied mathematics, such as Applied Mathematics 106 or 107 or Computer Science 121 or Statistics 110, is helpful.

Computer Science 141. Computing Hardware

Catalog Number: 4357

Michael D. Smith

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

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: Computer Science 50.

Computer Science 143. Computer Networks

Catalog Number: 6401

H. T. Kung

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Architecture, design, and performance of computer networks. Topics include: the Internet protocols, local area networks, performance analysis, queueing theory, congestion control, multicast, quality of service, and network security. Programming exercises on protocol implementation.

Prerequisite: Computer Science 51.

Computer Science 144r (formerly Computer Science 144). Networks Design Projects

Catalog Number: 5415

H. T. Kung and Marco Iansiti (Business School)

Half course (spring term). W., F., 4–5:30. EXAM GROUP: 9

Cooperative design and development of a business model based on advanced business networking concepts in one of the three areas: optical networking, wireless networking, and inter-enterprise software applications. Students will work in 2- or 3-person teams. Student assignments will include weekly 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: Enrollment is Limited. Preference will be given to upper class undergraduates or graduate students in computer science or in business. Offered jointly with the Business School as 4560.

Prerequisite: Computer Science 143 or equivalent experience.

[Computer Science 146. Computer Architecture]

Catalog Number: 6520

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



Review of the fundamental structures in modern processor design. Topics include computer organization, instruction set design, memory system design, pipelining, and other techniques to exploit parallelism. Emphasis on a quantitative evaluation of design alternatives and an understanding of timing issues.

Note: Expected to be given in 2002–03.

Prerequisite: Computer Science 141.

Computer Science 148. Introduction to VLSI Design

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 integrated circuits. Topics include: basic semiconductor theory; pn junctions; MOS transistors; integrated circuit fabrication technology; VLSI layout; digital MOS circuit design; memory and processor design; and testing of VLSI circuits. CAD tools for design and simulation are extensively used for homework assignments and for a large project assignment. High quality projects may be fabricated at an external VLSI foundry.

Prerequisite: Engineering Sciences 50 or Physics 15b, and Computer Science 141, or permission of instructor.

Computer Science 152. Principles of Programming Languages

Catalog Number: 6841

Norman Ramsey

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

Intellectual tools needed to design, evaluate, and choose programming languages. Historical influence of theory, software engineering, and implementation technique on language design. Case studies, reinforced by programming exercises. Emphasizes advanced languages, abstraction mechanisms. Includes functional, object-oriented, and logic paradigms. Focuses on ideas and techniques most relevant to practitioners, but covers theoretical topics crucial for intellectual rigor: specification based on 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. Must be comfortable with recursion and with basic mathematical ideas and notations.

[Computer Science 153. Principles of Programming Language Compilation]

Catalog Number: 2842

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

The underlying theory of the implementation of interpreters and compilers for programming languages, associated algorithms, and pragmatic issues. Theoretical emphasis on the relation to programming language theory and practical emphasis on applications outside of programming language implementation proper. Topics include lexical analysis, parsing algorithms, type checking and inference, code generation, run-time issues, optimization.

Note: Expected to be given in 2002–03.

Prerequisite: Computer Science 121 and 152.



Computer Science 161. Operating Systems

Catalog Number: 4347

Margo I. Seltzer

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

The fundamental principles of resource management and abstraction in modern operating systems. Control abstractions: thread, 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: Open to students who achieved an honor grade (B- or better) in Computer Science 51 and who have experience developing large software systems.

Prerequisite: Computer Science 51.

[Computer Science 165. Introduction to Database Systems]

Catalog Number: 4712

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

Design principles for modern distributed database systems. Topics include: extended E/R, relational and object-oriented data models; query processing, persistence, concurrency control, back-up and recovery; database connectivity; Java and XML languages; Web information organization, indexing and retrieval; search engines architecture and algorithms.

Note: Expected to be given in 2002–03.

Prerequisite: Computer Science 161 or permission of instructor.

Computer Science 175. Computer Graphics

Catalog Number: 3771

Steven J. Gortler

Half course (fall term). W., F., 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 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

Wheeler Ruml

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Introduction to AI focused on approaches to problems of reasoning about action. Search and game-playing. Knowledge representation. Partial-order planning; representations of actions; techniques for handling goal interactions. Resource-limited planning; situated agents. Discussion of relevant work in philosophy and decision theory; applications to vision, language, robotics.

Prerequisite: Computer Science 51; Computer Science 121 (may be taken concurrently).

Primarily for Graduates

[Computer Science 220r. Cryptography: Trust and Adversity]

Catalog Number: 1637

Michael O. Rabin

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

Topics in modern cryptography. Primality testing, finite fields, elliptic curves. Protocols: Public-key encryptions, digital signatures, key exchanges, zero-knowledge proofs, authentication oblivious transfer, secret sharing, proactive security, fair contract signing, distributed agreements. Foundations: Probabilistic encryption and semantic security. Attacks and countermeasures: Non-malleability, plaintext awareness and proofs of plaintext knowledge. Absolutely secure encryptions. Prerequisites will be discussed in sections.

Note: Expected to be given in 2002–03.

[Computer Science 221. Computational Complexity]

Catalog Number: 5812

Leslie G. Valiant

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

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, probabilistic, quantum or nondeterministic, discrete or algebraic, sequential or parallel.

Note: Expected to be given in 2003–04.

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., 2:30–4. EXAM GROUP: 16, 17

Covers topics related to what is done with information before and after it is sent across a network. Themes include compression, cryptography, coding, and information retrieval related to the World Wide Web. Theoretical aspects are emphasized, although current practice and recent



advances are also a focus. Requires a major final project.

Prerequisite: Computer Science 124.

[Computer Science 223. Probabilistic Analysis and Algorithms]

Catalog Number: 4740

Michael D. Mitzenmacher

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

The course will focus on how Markov chains and random processes are used to analyze algorithms and network behavior. Reading current research in the area will be required. Topics may include heavy-tailed distributions, load balancing, stochastic bin-packing, and models of the Web.

Note: Expected to be given in 2002–03.

Prerequisite: Computer Science 124. Preferably additional probability, such as in Computer Science 224r, Computer Science 226r, Statistics 110, or Mathematics 191.

Computer Science 225. Pseudorandomness

Catalog Number: 4869

Salil P. Vadhan

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

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.

Prerequisite: Exposure to randomized algorithms (as in Computer Science 124 or Computer Science 224r), computational complexity (as in Computer Science 121), and algebra (as in Applied Mathematics 106, Mathematics 123, Computer Science 224r 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

A survey of important computer algorithms for numerical and data manipulation problems and their applications in actual computing situations. Topics include combinatorial algorithms, string matching, FFT and its applications, algebraic computations, randomized algorithms in algebra number theory and geometry, maximal flows, error correcting codes, public key cryptography, protocols for distributed systems, and parallel algorithms.

[Computer Science 228. Computational Learning Theory]

Catalog Number: 0364

Leslie G. Valiant

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

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. Computational limitations. Statistical limitations. Applications to Boolean functions, automata and geometric functions. Learning algorithms for models of neural



computation.

Note: Expected to be given in 2002–03.

Prerequisite: Computer Science 121 or equivalent.

Computer Science 244r (formerly Computer Science 244). Advanced Networks Design Projects

Catalog Number: 3018

H. T. Kung and Marco Iansiti (Business School)

Half course (spring term). W., F., 4–5:30. EXAM GROUP: 9

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 implementation of a subsystem related to their business plan. In addition, demonstration and documentation of the implementation are required.

Note: Enrollment is limited. Preference will be given to upper class undergraduates or graduate students in computer science or in business who are proficient in computer programming or in business software. Offered jointly with the Business School as 4560.

Prerequisite: Computer Science 143 or equivalent experience.

[Computer Science 252r. Advanced Topics in Programming Languages]

Catalog Number: 1986

Norman Ramsey

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

Advanced functional programming. Lazy evaluation, monads, monad comprehensions, the monadic approach to imperative features. Folds and unfolds. Functional reactive programming for graphics, robotics. Combinators for parsing and prettyprinting. Purely functional data structures. Type systems: polymorphism and overloading, type and constructor classes, higher-order kinds, polytypic programming. Implementation: heap profiling, match compilation.

Note: Expected to be given in 2002–03.

Prerequisite: Computer Science 152 or permission of the instructor.

Computer Science 253r (formerly Computer Science 253). Advanced Topics in Programming Language Compilation

Catalog Number: 2901

Norman Ramsey

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

Modern language features such as garbage collection and exception handling, as well as source-level debugging, can be implemented only by cooperation of compilers and run-time systems. Topics include how these services are implemented, at what costs. Focus on best research results and possible new problems.

Prerequisite: Computer Science 153 or equivalent.

[Computer Science 254r. Programming Methodologies]

Catalog Number: 2767

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

Investigates program analysis, verification, and refinement; programming paradigms, including



parallel and distributed; program development and maintenance environments. This year students will critique an experimental world-wide programming environment the instructors are developing: see www.deas.harvard.edu/courses/cs254r/2001.

Note: Expected to be given in 2002–03.

Prerequisite: Computer Science 51 and 121, or equivalent.

Computer Science 261. Research Topics in Operating Systems

Catalog Number: 6706

Christopher A. Small and Keith Arnold Smith

Half course (fall term). Tu., Th., 4–5:30. EXAM GROUP: 18

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). Tu., Th., 4–5:30. EXAM GROUP: 18

Examination of the special problems associated with distributive computing, especially those associated with partial failure and intrinsic limitations on global knowledge. The course will emphasize the specification and implementation of high level protocols that allow computational entities to collaborate in the face of these problems. Causal ordering, event and RPC based systems, and security problems in distributed systems will be discussed.

Prerequisite: Computer Science 161 or permission of instructor.

[Computer Science 265r (formerly Computer Science 265). Database Systems]

Catalog Number: 4104

Margo I. Seltzer

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

A research-oriented introduction to Database Management systems. First third covers database design, implementation, and use. Topics include: network, relational, and object oriented database models, system architectures, transaction processing, system implementation, and SQL. Remaining two-thirds address research literature surrounding database systems, including an historical perspective, the emergence of relational and object-oriented systems, concurrency control, and distributed systems. Students will be expected to undertake a final research project.

Note: Expected to be given in 2002–03.

Prerequisite: Computer Science 51.

Computer Science 275. Advanced Computer Graphics

Catalog Number: 5495

Steven J. Gortler

Half course (fall term). W., F., 4–5:30. EXAM GROUP: 9

The contents and course requirements are similar to those of Computer Science 175, with the exception that students enrolled in Computer Science 275 are required to solve more difficult



problem sets.

Prerequisite: Computer Science 51, Applied Mathematics 21b or Mathematics 21b.

***Computer Science 276r. Computer Graphics, Special Topics**

Catalog Number: 8097

Steven J. Gortler

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Seminar examining in detail some specific aspect of computer graphics. Specific topics which change from year to year may include: image based rendering, photo-realistic rendering, geometric representations, representations of motion and animations, computer graphics hardware. Students will make one oral presentation, and create a software implementation of one of the covered concepts.

Prerequisite: Computer Science 175 or 275 and permission of instructor.

[Computer Science 279. Topics in Computer-Human Interfaces, Information Retrieval and Visualization]

Catalog Number: 2407 Enrollment: May be limited.

Stuart M. Shieber

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

Seminar providing background and current research in specific topics drawn from one or more of computer-human interfaces, information, retrieval, and information visualization. Intensive lab component emphasizes small group design and implementation of systems in these areas.

Note: Expected to be given in 2002–03.

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 introduction to formalisms for knowledge representation and techniques for reasoning and planning. Topics: formal logic-based representations; probabilistic reasoning; nonmonotonic logics; truth-maintenance systems; qualitative reasoning; inheritance hierarchies; computational approaches to reasoning about actions and time, including actions of multiple agents, nonlinear planning, plan recognition; reasoning about knowledge, belief, and action.

Prerequisite: Computer Science 182, or permission of instructor.

[Computer Science 282. Probabilistic Reasoning]

Catalog Number: 3158

Avrom J. Pfeffer

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

In-depth study of principles and techniques for probabilistic reasoning and decision-theoretic planning. Topics include: Bayesian networks and Markov networks; exact and approximate probabilistic inference algorithms; learning Bayesian networks from data; temporal probability models; integrating logic and probability; influence diagrams; Markov decision processes; reinforcement learning.



Note: Expected to be given in 2002–03.

Prerequisite: Computer Science 181 or permission of instructor.

Computer Science 283. Computer Vision

Catalog Number: 4475

Roger W. Brockett

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

Vision as an ill-posed inverse problem: two-dimensional signal processing; image enhancement and restoration; feature analysis; image segmentation and analysis; structure from motion, texture, and shading; binocular stereo; pattern classification; and applications.

Computer Science 285. Multi-agent Planning Systems

Catalog Number: 1060

Barbara J. Grosz

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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 182 or permission of instructor.

Computer Science 286r. Topics at the Interface between Computer Science and Economics

Catalog Number: 1099 Enrollment: Limited to 20. Preference given to graduate students or upper-class concentrators.

David C. Parkes

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

Interplay between computation and incentives within open decentralized computational systems. Mechanisms and market design, negotiation, social-choice, information-economics and privacy. Readings from theoretical CS, AI, operations research, and economics. Spring, 2002: Computational Mechanism Design.

Note: Seminar style .

Prerequisite: Mathematics 21b, Applied Mathematics 21b, or equivalent; Computer Science 121, 124, and 181 or 182, or equivalents; or permission of instructor.

[*Computer Science 287r. Natural Language Processing]

Catalog Number: 3306

Stuart M. Shieber

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

Principles and techniques of natural language processing, including grammar formalisms, syntactic analysis, semantic interpretation, and associated algorithms.

Note: Expected to be given in 2002–03.

Prerequisite: Computer Science 121 and 152.

[Computer Science 288. Computational Models of Discourse]

Catalog Number: 1392

Barbara J. Grosz

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



Computational theories of discourse (text and dialogue) structure and processing. Topics include: anaphora, focusing, plans and speech acts, plan recognition algorithms, models of collaborative planning, intonation. Discussion of dialogue and text understanding systems. Application to the design of human-computer interface systems.

Note: Expected to be given in 2002–03.

Prerequisite: Computer Science 182 or 287r or equivalent, or permission of instructor.

Computer Science 299r. Special Topics in Computer Science

Catalog Number: 4592

Venkatesh Narayanamurti

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 A.B./S.M. candidates only. Students must arrange such work with a member of the Division. This course is ordinarily taken with the approval of the Committee on Higher Degrees in certain cases when a letter grade is required. Applicants should file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110a.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Computer Science 305,306. Information Resources: Technology and Policy**

Catalog Number: 6364,3478

Anthony G. Oettinger 2403

***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. Natural Language Processing, AI Planning, and Collaborative Systems**

Catalog Number: 4677,6223

Barbara J. Grosz 1599

***Computer Science 321,322. Databases, Operating System, and Software Design**

Catalog Number: 4085,4086

Margo I. Seltzer 3371 (on leave fall term)

***Computer Science 323,324. Programming Languages, Natural Language Processing, and Human-Computer Interfaces**

Catalog Number: 2450,2453

Stuart M. Shieber 2456 (on leave spring term)



***Computer Science 325,326. Programming Languages and Tools**

Catalog Number: 8055,0747

Norman Ramsey 2831

***Computer Science 327,328. Mathematical Logic, Theory of Computation**

Catalog Number: 1160,3576

Harry R. Lewis 4455

***Computer Science 345,346. High-Performance Computer Systems**

Catalog Number: 6154,6156

Michael D. Smith 3372

***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, and Quantum Computation**

Catalog Number: 0345,0346

Leslie G. Valiant 7396

***Computer Science 357,358. Computational Complexity, Cryptography, and Pseudorandomness**

Catalog Number: 3485,8641

Salil P. Vadhan 3833

***Computer Science 359,360. Online Algorithms and Randomized Algorithms**

Catalog Number: 2104,1477

Michael D. Mitzenmacher 7748

***Computer Science 375,376. Computer Graphics**

Catalog Number: 6832,7313

Steven J. Gortler 2824



Courses Related to Ethnic Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The following are courses related to themes and issues of ethnicity and race, offered by the Faculty of Arts and Sciences in 2001-2002. Courses appear in 4 categories, the first lists undergraduate core courses, the second lists courses with a primary focus on ethnicity in the United States, the third covers courses related to ethnicity and the United States, and the fourth covers topics on ethnicity outside the United States. Several courses are listed in more than one category. These lists serve as a guide for learning more about diversity in American cultures and other societies. The more complete, descriptive *Ethnic Studies Guidebook* will be available in September. "Please consult the Ethnic Studies website <http://www.fas.harvard.edu/~cesh/intro.html#esc> for more details." *The Faculty Advisory Committee, an interfaculty committee, advises students interested in pursuing Ethnic Studies on their course selection, mentors available, and resources in and around Harvard.*

Core Courses in Ethnic Studies

[Foreign Cultures 12. Sources of Indian Civilization]

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

[Foreign Cultures 48. The Cultural Revolution]

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

[Foreign Cultures 74. Cultures of Southern Europe](#)

[Foreign Cultures 80. The Cultural Identities of Modern Korea](#)

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

[Historical Study A-12. International Conflict and Cooperation in the Modern World](#)

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

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

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

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

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

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

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

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

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

[Literature and Arts C-47. Language, Literature, and Power in the Early Modern Hispanic World (1492-1700)]

[Social Analysis 54. American Society and Public Policy](#)

[Social Analysis 66. Race, Ethnicity, and Politics in the United States](#)

[Social Analysis 68. Race, Class, and Poverty in Urban America](#)

Courses with a Primary Focus on Ethnicity in the United States



[Afro-American Studies 123z. American Democracy]
[Afro-American Studies 135z. James Baldwin and Lorraine Hansberry]
[Afro-American Studies 143. African-Americans and a New Racial Divide](#)
[Afro-American Studies 191. The Civil Rights Movement: Seminar]
[*Afro-American Studies 196. Sociological Perspectives on Racial Inequality in America: Seminar]
[Afro-American Studies 196z. Race, Segregation and Inequality](#)
[General Education 175. Native Americans in the 21st Century: Nation-Building I](#)
[Government 900c. Race and Ethnic Conflict in America](#)
[*Government 2140. Identity in History and Politics](#)
[*History 1635 \(formerly History 1659 and 90h\). Race and Race Relations Since Plessy: Conference Course](#)
[*History 1645 \(formerly History 1607\). History of American Immigration: Conference Course](#)
[History 1649. The American West: 1780-1930](#)
[Religion 1007. Religion in Multicultural America]
[Sociology 60. Race and Ethnic Relations](#)
[Sociology 68. Social Movements](#)
[*Sociology 96. Individual Community Research Internship](#)
[Sociology 124. Social Stratification](#)
[Sociology 166. Poverty, Public Policy, and Controversy]
[*Sociology 188. Lines that Divide: Race, Class, Gender, and Ethnicity in the Ethnographic Tradition: Conference Course]
[*Sociology 221. Immigration, Identity and Assimilation: Seminar](#)
[Sociology 248. Race, Politics, and Social Inequality]
[*Sociology 249. "Race," Culture and Social Structure: Seminar](#)
*Sociology 300. Workshop on "Race," Minority Studies and Public Policy
[Spanish 165. Bilingual Arts]
[Spanish 268. A Rhetoric of Particularism]

Courses Related to Ethnicity and the United States

[*Afro-American Studies 97b \(formerly Afro-American Studies 12\). Topics in Afro-American History and Society: Seminar](#)
[Afro-American Studies 118. African-American History from the Slave Trade to 1900](#)
[Afro-American Studies 124y. Race: A Conceptual Exploration Seminar]
[Afro-American Studies 125. Philosophical Problems of Race and Racism](#)
[Afro-American Studies 126. Philosophical Perspectives on Issues of Race]
[Afro-American Studies 127. Marxist Theories of Racism](#)
[Afro-American Studies 131. Afro-American Literature to the 1920s](#)
[Afro-American Studies 138z. Interracial Literature](#)
[Afro-American Studies 140. Syncretism: Seminar]
[Afro-American Studies 141 (formerly Anthropology 157). Afro-Atlantic Religions]
[Anthropology 153. Nationalism and Bureaucracy](#)
[Anthropology 198. Violence and the Media](#)
[Anthropology 201r. Topics in the Anthropology of Gender](#)



[\[Anthropology 210. Anthropology of Events\]](#)
[Anthropology 289. Culture and Violence](#)
[Chinese Literature 132. Chinatowns](#)
[\[Comparative Literature 166. The Comic Tradition in Jewish Culture\]](#)
[\[*Economics 1357. Historical Perspectives on American Economic Ascendancy\]](#)
[\[Economics 1815. Social Problems of the American Economy\]](#)
[English 17. American Literature to 1860](#)
[\[Government 90q. U.S. – Latin American Relations\]](#)
[*Government 1582. Who Are We? Issues of American National Identity](#)
[*Government 2140. Identity in History and Politics](#)
[\[*Government 2900. U.S.–Latin American Relations\]](#)
[History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Conference Course](#)
[History 1945 \(formerly History 1745\). Conquest in the Americas](#)
[History 1955. Comparative Labor History: Conference Course](#)
[Music 208r. Ethnomusicology: Seminar](#)
[*Philosophy 166z. Identity and Individuality: Race, Society, and State: Proseminar](#)
[Psychology 1507. Cross-Cultural Psychology](#)
[\[Religion 1525. Radical Movements in Modern America\]](#)
[\[Religion 1528. Globalization and Human Values: Envisioning World Community\]](#)
[Religion 1530r. Religious Values and Cultural Conflict: Seminar](#)
[\[Religion 1536. Theology and Culture\]](#)
[Religion 1726. Buddhism in America: Seminar](#)
[\[Religion 2040. Religion and Human Rights\]](#)
[\[Religion 2042. Religion, Nationalism, and Peace\]](#)
[Religion 2501. The Religious History of American Women: Seminar](#)
[*Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course](#)
[Women's Studies 101r \(formerly Women's Studies 101\). Money Changes Everything: Gender and Globalization](#)
[Women's Studies 110a. Bodies and Boundaries: Conference Course](#)
[Women's Studies 110b. Current Problems in Feminist Theory: Conference Course](#)
[Women's Studies 110c. Borders and Betrayals: Engendering Cultural Identities](#)

Courses Related to Ethnicity outside the United States

[*Afro-American Studies 97b \(formerly Afro-American Studies 12\). Topics in Afro-American History and Society: Seminar](#)
[Afro-American Studies 139. Black Travel and Transnationality](#)
[\[Afro-American Studies 141 \(formerly Anthropology 157\). Afro-Atlantic Religions\]](#)
[\[Afro-American Studies 165y. African Women in Art and History\]](#)
[\[Anthropology 122. Japanese Culture and Society\]](#)
[Anthropology 153. Nationalism and Bureaucracy](#)
[Anthropology 184. Ethnicity in the Americas: The Indian Question](#)
[Anthropology 198. Violence and the Media](#)
[\[Anthropology 210. Anthropology of Events\]](#)
[\[Anthropology 213. Theories of Discourse in Middle Eastern Ethnography\]](#)



[Anthropology 263. Transnationalism, Globalism, and Local Culture](#)

[Anthropology 274. Sovereignty, Ethnicity, and Pluralism]

[Anthropology 277. Development Dilemmas]

[Anthropology 289. Culture and Violence](#)

[Armenian Studies 100. Armenian Epic]

[Armenian Studies 102. Armenian Civilization]

[Catalan Aa \(formerly Catalán Ba\). Elementary Catalán I](#)

[*Catalan 91r. Supervised Reading and Research](#)

[Chinese History 118. History of Relations between China and Inner Asia II]

[Chinese Literature 132. Chinatowns](#)

[Comparative Literature 103r. Literature and Politics: The Case of Zionism]

[Comparative Literature 112. Religion and Literature in the Middle Ages]

[Comparative Literature 166. The Comic Tradition in Jewish Culture]

[*Comparative Literature 210. Comparative Themes in the Literatures of Medieval Spain: Seminar](#)

[*English 90ai (formerly English 168). Anglophone India]

[*English 90cf. Caribbean Fictions]

[*English 276x \(formerly *English 90vl\). African-American Literary Tradition: Graduate Seminar](#)

[Folklore and Mythology 115. The African Oral Narrative Tradition](#)

[French 42 \(formerly French 38b\). Introduction à la littérature francophone](#)

[French 70c. Introduction to French Literature III: The Francophone World](#)

[French 188. Women Francophone Writers](#)

[French 194. Francophone Film, Cinema, and Epic Fiction](#)

[French 289r. French African Literature: Seminar](#)

[German 195. Multicultural Germany: Negotiating the Turkish-German Minority](#)

[Government 90gs. Civil Society in Asia]

[Government 90hh. International Migration and the Political Economy of Development](#)

[Government 90jp. The Struggle for Palestine/Israel](#)

[Government 1295. Comparative Politics in Latin America](#)

[Government 1760. International Relations of East Asia](#)

[Government 2148. Civil Society, West and East]

[*Government 2900. U.S.–Latin American Relations]

[Hebrew 150a. Introduction to Rabbinic Literature](#)

[Hebrew 150b. Introduction to Rabbinic Literature]

[Hebrew 174. Political Thought: Late Antiquity through the Middle Ages](#)

[Hebrew 176. Aristotle's *Ethics* in Medieval Jewish Thought]

[History 1439. India and the British Empire in the 18th Century: Conference Course](#)

[History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Conference Course](#)

[History 1741. Gender and History in Latin America](#)

[History 1759 \(formerly History 1760b\). The History of Latin America, 1914-2002](#)

[History 1901. The History of Africa to 1860]

[History 1906. West Africa from the Earliest Times to 1800]

[History 1908. Rethinking Gender in African History: Conference Course]

[History 1945 \(formerly History 1745\). Conquest in the Americas](#)



[History 1955. Comparative Labor History: Conference Course](#)

[*History 2781 \(formerly *History 1781\). Modern Mexican History: Seminar](#)

[History of Art and Architecture 291. Visions and Virgins: Miraculous Images in Colonial Latin America]

[Indian Studies 111. Literary Cultures of India: An Introduction to the Study of South Asia]

[Indian Studies 112. Major Themes in Modern Indian History]

[Indian Studies 205a. South Asia as Understood Through Its Regions I: Seminar](#)

[Indian Studies 205b. South Asia as Understood Through Its Regions II: Seminar](#)

[*Indian Studies 216 (formerly Indian Studies 102). Early History of South Asia]

[Islamic Civilizations 121. North Africa, 1500 to the Present]

[Islamic Civilizations 124. Central Asian Culture and Society]

[Islamic Civilizations 125. History and Culture of Islamic Peoples of the Former Soviet Union](#)

[Islamic Civilizations 160. The Meanings of Islam in Central Asia]

[Jewish Studies 111. Modern Jewish Thought]

[Jewish Studies 114. Modern Hebrew Literature in Translation](#)

[*Music 190rr. Proseminar: Topics in World Music](#)

[Music 194r (formerly Music 190r). Special Topics: Proseminar]

[Music 208r. Ethnomusicology: Seminar](#)

[Music 270r. Special Topics]

[*Philosophy 166z. Identity and Individuality: Race, Society, and State: Proseminar](#)

[Portuguese 37. Brasil hoje: Contemporary Brazilian Culture through Media](#)

[Portuguese 38. Images of Brazil: Contemporary Brazilian Cinema](#)

[Portuguese 51. Journey Through Brazil: Advanced Writing and Reading in Portuguese]

[Portuguese 121a. Introduction to the Literature of Brazil I](#)

[Portuguese 121b. Introduction to the Literature of Brazil II](#)

[Portuguese 122b. Introduction to the Literature of Portugal II]

[Psychology 1507. Cross-Cultural Psychology](#)

[Religion 11. World Religions: Diversity and Dialogue]

[Religion 1001. Ethnographic Imaginations]

[Religion 1017. New Religious Movements and Society: Conference Course](#)

[Religion 1075. Jerusalem: An Interdisciplinary Inquiry]

[Religion 1420. History of Ancient Christianity from the Beginnings to the 4th Century]

[Religion 1536. Theology and Culture]

[Religion 1650. Modern Hindu Movements: Seminar]

[Religion 1700. Introduction to Buddhism](#)

[Religion 2040. Religion and Human Rights]

[Religion 2042. Religion, Nationalism, and Peace]

[Slavic 191. Gender and Nation After Yugoslavia](#)

[Slavic 192. Balkan Imagery in Film and Literature](#)

[Slavic 193. Constructing Slavic Identities: An Introduction to Slavic Civilization](#)

[*Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course](#)

[Spanish 35. Upper-Level Spanish I: Cuatro países latinoamericanos](#)

[Spanish 48. Perspectives on Mexico](#)

[Spanish 71a \(formerly Spanish 101a\). Spanish American Literature from the Colony to](#)



Independence

Spanish 71b. From Modernism On: Survey of Nineteenth- and Twentieth-Century Latin American Literature.

[Spanish 90h. Indigenismos]

[Spanish 132. Andean Voices, European Writing]

Spanish 172. Barcelona, fin-de-siècle

[Spanish 186. Tobacco and Sugar]

[Spanish 201. The History of the Spanish Language]

Spanish 287r. Spanish Literature Seminar: Realism and Its Avatars

Spanish 295r. Graduate Seminar on Poetry and Nation in Spanish America

Women's Studies 101r (formerly Women's Studies 101). Money Changes Everything:

Gender and Globalization

Women's Studies 110a. Bodies and Boundaries: Conference Course

Women's Studies 110b. Current Problems in Feminist Theory: Conference Course

Women's Studies 110c. Borders and Betrayals: Engendering Cultural Identities

[Yiddish 102r. Modern Yiddish Literature I]

[Yiddish 103r. Modern Yiddish Literature II]

Yiddish 105. Yiddish Language and Linguistic Theory

[Yiddish 108. American Jewish Literature]

Dramatic Arts

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Dramatics

Robert Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of English (*Chair*) (*on leave spring term*)

Robert Brustein, Artistic Director of the American Repertory Theatre, Director of the Loeb Drama Center; Professor of English (*on leave 2002-03*)

Marjorie Garber, William R. Kenan, Jr. Professor of English

Jorie Graham, Boylston Professor of Rhetoric and Oratory

Harry R. Lewis, Gordon McKay Professor of Computer Science and Dean of Harvard College

John C. Megan, Director Office for the Arts at Harvard (*ex officio*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Robert J. Orchard, Director of the Loeb Drama Center and Executive Director of the American Repertory Theatre (*ex officio*)

Peter Sacks, Professor of English and American Literature and Language



Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value
Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature
Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature (*on leave spring term*)

Other Faculty Offering Instruction in Dramatic Arts

Elizabeth Weil Bergmann, Lecturer on Dramatic Arts
Thomas Derrah, Lecturer on Dramatic Arts
Jeremy Geidt, Lecturer on Dramatic Arts
Claire Mallardi, Lecturer on Dramatic Arts, Lecturer on Dramatic Arts (Artistic Director Emerita, Radcliffe College)
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 will be required to attend at least five different productions.) Students will do creative and collaborative work throughout the term, and members of the A.R.T. staff will give guest lectures in their areas of expertise.

***Dramatic Arts 11. Beginning Acting**

Catalog Number: 3321 Enrollment: Limited by audition.

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.

***Dramatic Arts 12. Acting Shakespeare**

Catalog Number: 6659 Enrollment: Limited by audition.

Jeremy Geidt

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

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 14. The Art of Movement Design

Catalog Number: 2983 Enrollment: Limited by interview.

Elizabeth Weil Bergmann

Half course (fall term). Tu., Th., 2:30–4:30. EXAM GROUP: 16, 17, 18

What makes movement art? Through a combination of readings, lectures, videos and dance improvisation experiences, this course investigates how physical energy and movement design choices develop into kinesthetic, dramatic, and artistic experiences for both the performer and the audience. Focusing on time, weight, space and flow, movement phrases will be structured into an understandable, organic whole.

Note: No previous dance experience is necessary.

Dramatic Arts 15. Movement for Actors and Directors

Catalog Number: 4908

Claire Mallardi

Half course (spring term). Tu., Th., 2:30–4:30. EXAM GROUP: 16, 17, 18

Emphasis on the integration of verbal and non-verbal forms of communication focusing on movement and gesture as means to enhance, inform, and illuminate text. The goal is to achieve the fullest range and clarity of physical and emotional expression of the body as it moves in relation to the surrounding space. A physical experiential approach will be practiced through studies that pertain to the actor's presence on stage, concentrating on the structure, organization, and control of time, space, energy, and sound.

***Dramatic Arts 18ar. Advanced Acting: 20th-Century Texts**

Catalog Number: 8011 Enrollment: Limited by interview.

Marcus Stern

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

A course of advanced acting techniques using 20th-century dramatic texts for scene work. Text analysis and the resulting character intentions and tactics are carefully examined. The goal of the course is to provide the actor with concrete skills that produce tangible results in rehearsal and on stage.

Note: This course may be repeated with instructor and advisor approval.

***Dramatic Arts 18br. Intermediate Acting: Contemporary Texts**

Catalog Number: 5397 Enrollment: Limited by interview and audition.

Scott Zigler

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

An intermediate acting class exploring approaches to contemporary dramatic literature. The class will investigate methods of performance that make the material accessible and engaging for both actor and audience. The class will focus on analyzing texts through intensive scene-work, exploring dynamic and playable actions as well as approaches to comedy and style.

Note: This course may be repeated with instructor and advisor approval.

Prerequisite: Auditions consist of a prepared 2-minute monologue from any period presented at the class's first meeting.



***Dramatic Arts 19. Playwriting and Dramatic Technique**

Catalog Number: 8045 Enrollment: Limited to 10.

Gideon Michael Lester

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

An investigation of dramatic technique for students with some prior experience of playwriting. The seminar focuses on the structural principles of dramatic composition, examining paradigms from Aristotle to Gertrude Stein, and develops 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: Admission based on samples of writing submitted to Course Instructor.

***Dramatic Arts 22r. Beginning and Intermediate Directing**

Catalog Number: 8160 Enrollment: Limited to 15.

Marcus Stern

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

A directing class for all levels of director and actor, from beginning to advanced. Course examines the directorial tools of text analysis, staging, design, and working with actors through constant scene work. The focus is on understanding texts and explicating your response to those texts on stage. This course is also useful for actors investigating all aspects of theater.

Note: This course may be repeated with instructor and advisor approval.

Prerequisite: Enrollment contingent on short interviews to be conducted on the first day of class.

Cross-listed Courses

[Comparative Literature 151. The Faust Legend in Literature]

German 221. Goethe: Seminar

[German 272. Gerhart Hauptmann's Major Plays: Seminar]

Greek 105. Aristophanes

Greek 106. Greek Tragedy

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

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

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

[Literature and Arts C-14. The Concept of the Hero in Greek Civilization]

Literature and Arts C-25. The Medieval Stage

Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars

***Visual and Environmental Studies 131. Designing for the Stage: Studio Course**

***Visual and Environmental Studies 132. Projects in Stage Design: Studio Course**

Earth and Planetary Sciences



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Earth and Planetary Sciences

Jeremy Bloxham, Harvard College Professor and Professor of Geophysics (*Chair*)
James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry ()
Adam M. Dziewonski, Frank B. Baird, Jr. Professor of Science (*Director of Graduate Studies, spring term*)
Göran Ekström, Professor of Geology and Geophysics
Brian F. Farrell, Robert P. Burden Professor of Meteorology
Stephen J. Gould, Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology and Professor of Geology
Paul F. Hoffman, Sturgis Hooper Professor of Geology
John P. Holdren, Teresa and John Heinz Professor of Environmental Policy (*Kennedy School*)
Daniel J. Jacob, Gordon McKay Professor of Atmospheric Chemistry and Environmental Engineering
Stein B. Jacobsen, Professor of Geochemistry
Andrew H. Knoll, Fisher Professor of Natural History
Charles R. Marshall, Professor of Biology and of Geology
James J. McCarthy, Alexander Agassiz Professor of Biological Oceanography in the Museum of Comparative Zoology (*on leave fall term*)
Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
Richard J. O'Connell, Professor of Geophysics (*Head Tutor*)
Ann Pearson, Assistant Professor of Geochemistry
James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics
Allan R. Robinson, Gordon McKay Research Professor of Geophysical Fluid Dynamics (*on leave 2001-02*)
Daniel P. Schrag, Associate of Pforzheimer House, Professor of Earth and Planetary Sciences (*Director of Graduate Studies, fall term*) (*on leave spring term*)
John H. Shaw, Professor of Structural Economic Geology
Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science, Associate of the Harvard Forest

Other Faculty Offering Instruction in the Department of Earth and Planetary Sciences

James L. Davis, Associate of the Harvard College Observatory
Ralph Mitchell, Gordon McKay Professor of Applied Biology
Marcus Van Baalen, Lecturer on Earth and Planetary Sciences

The following courses related to Earth and Planetary Sciences are offered in other departments:

Biology 107. Evolution of Plant Life in Geologic Time

Biology 118. Biological Oceanography

Engineering Science 162. Hydrology



Engineering Science 166. Air Pollution Modeling and Engineering

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.

Earth and Planetary Sciences 6. Introduction to Environmental Science: The Solid Earth

Catalog Number: 2694

Marcus Van Baalen and members of the Department

Half course (spring term). Tu., Th., 11:30–1:00; laboratories and section require one afternoon per week. EXAM GROUP: 13, 14

An introduction to geologic processes, with emphasis on environmental problems and hazards. Topics include Earth history, Earth materials, plate tectonics, and natural disasters: earthquakes; volcanoes; landslides; and floods. Introduction to scientific uncertainty, methods of risk assessment and policy tradeoffs. Radon, asbestos and other hazardous materials including nuclear waste. Short- and long-term impact of human activity on the geological environment e.g. ground water contamination, the lifetime of dams and land subsidence. The development of scientific topics will form the bases for discussion of methods of risk reduction through policy and legislation.

Note: EPS 6 may not be counted for a degree in addition to EPS 7.

Earth and Planetary Sciences 7. Introduction to Geological Sciences

Catalog Number: 0918

Adam M. Dziewonski and Marcus Van Baalen

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

An introduction to Earth science designed for concentrators in geological, environmental, and geophysical sciences. Origin of the earth, its age and its evolution with an emphasis on the processes that shaped our planet. The theory of plate tectonics is used as a broad framework to explain the occurrence and distribution of earthquakes, volcanoes and mountains, and to explore the history of the earth's surface. Labs and the weekend field trip familiarize students with rock types, geological features, and maps, and expose them to how geologists infer processes from the rock record.

Note: Also appropriate for non-EPS concentrators who desire a comprehensive introduction to Earth science.



Earth and Planetary Sciences 8. History of the Earth

Catalog Number: 0166

Paul F. Hoffman

Half course (spring term). M., W., F., at 10; two hours of laboratory per week and two one-day field trips. EXAM GROUP: 3

This course examines the major stages and critical events in the history of the earth with emphasis on the interactions between global tectonics, ocean-atmosphere processes (climate), and biological evolution. We will consider all time scales, 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. Lectures will focus not only on descriptions of critical intervals, but also on what evidence exists to support these descriptions. Laboratories introduce methods of investigation and analysis of the geological record.

Note: This is one of three required introductory courses for EPS concentrators, along with EPS 5 and EPS 7.

Prerequisite: Secondary-school courses in science (physics, chemistry, biology) and calculus.

[Earth and Planetary Sciences 30. Environmental Microbiology]

Catalog Number: 4935

Ralph Mitchell

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

Microbial processes in natural habitats, including biogeochemical cycles and metal transformations. Evolution of microorganisms and the development of survival strategies are discussed. Includes discussions of microbial processes in specific habitats including fresh waters, marine, and soil. Emphasis is placed on the effects of environmental deterioration and the responses of the microbial community.

Note: Expected to be given in 2002–03.

Prerequisite: An introductory biology course, either at the high school or college level.

***Earth and Planetary Sciences 74. Field Geology**

Catalog Number: 7239

Paul F. Hoffman

Half course (fall term). Hours to be arranged. EXAM GROUP: 3

Methods of observation and documentation of the Earth's rock record. Approximately four weeks of field observation are followed by the preparation of a detailed geologic report.

Note: Students must notify EPS Head Tutor and instructors of intention to enroll by May 1 of the preceding spring term.

Prerequisite: EPS 7, 8, 50 or 171, are recommended, or permission of instructor.

***Earth and Planetary Sciences 91r. Supervised Reading and Research**

Catalog Number: 1462

Richard J. O'Connell 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 of the Head Tutor is required for enrollment. May be counted for concentration only with the special permission of the Head Tutor.



***Earth and Planetary Sciences 99. Tutorial — Senior Year**

Catalog Number: 7120

Richard J. O'Connell 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 the Head Tutor required for enrollment.

For Undergraduates and Graduates

[Earth and Planetary Sciences 106. Introduction to Planetary Physics]

Catalog Number: 1021

Jeremy Bloxham

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

An examination of the fundamental physical processes governing the structure and evolution of planets, and the observations used to constrain models of these processes. Concentrated on the study of Earth. Topics include gravity, rotation, and solar system dynamics; heat transfer and convection; magnetic field generation; seismology and structure of Earth's interior.

Note: Expected to be given in 2002–03.

Prerequisite: Physics 11 or 15, and Applied Mathematics 21 or Mathematics 21, or equivalents.

Earth and Planetary Sciences 107. Environmental Geochemistry

Catalog Number: 1242

Ann Pearson and Daniel P. Schrag

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

This course offers an overview of low-temperature geochemistry through the treatment of a selection of geochemical issues of environmental significance. Each unit will place 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 from the instructor.

Earth and Planetary Sciences 108. Environmental Geomechanics

Catalog Number: 6095

James R. Rice

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

Principles of solid and fluid mechanics are developed to understand processes in environmental geology and geophysics. Topics: Geomorphology and sedimentation. Hydrology, groundwater flows, solute transport, contaminant remediation. Poroelasticity, aquifer dynamics, consolidation and subsidence. Rock and soil strength; safety of dams, levees and landfills; landslides, debris flows. Faulting and earthquake waves, site response, liquefaction. Water waves, tsunamis, open channel flows, hydraulic jumps; erosion and sediment transport.

Note: Expected to be omitted in 2002–03. Given in alternate years. Students who wish to have coverage of the same material at a more advanced level should take the course Engineering Sciences 265.

Prerequisite: Mathematics or Applied Mathematics 21 and a calculus-based introduction to physics. Also suggested: Earth and Planetary Sciences 6 or 7.

**[Earth and Planetary Sciences 109. Earth Resources and the Environment]**

Catalog Number: 2218

*John H. Shaw**Half course (spring term). Hours to be arranged.*

The course provides an overview of the earth's energy and material resources. Following an introduction to hydrocarbons (oil, natural gas, and coal), nuclear fuels, and other economically important ores, the course will emphasize 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 (solar, hydroelectric, tidal, geothermal power); metals and mining. Labs will emphasize geologic and geophysical methods for discovering and exploiting resources, including satellite remote sensing and seismic reflection techniques, and environmental remediation approaches.

Note: Expected to be given in 2002–03. Given in alternate years.

Prerequisite: EPS 6, 7, or 8, or permission of the instructor.

[Earth and Planetary Sciences 131. Introduction to Physical Oceanography]

Catalog Number: 2249

*Allan R. Robinson**Half course (spring term). Hours to be arranged.*

Elements of the physics and dynamics of the world's oceans. The observational basis and the fundamental concepts and models required for describing and understanding the range of phenomena that occur on many time and space scales. Water masses, circulation, currents, eddies, waves, microstructure, and turbulence. The implication of physical oceanography for interdisciplinary research, including climate and biogeochemical cycles and ecosystems.

Note: Expected to be given in 2002–03.

Prerequisite: Mathematics 21 or Applied Mathematics 21, Physics 11 or 15, or permission of instructor.

Earth and Planetary Sciences 132. Introduction to Meteorology

Catalog Number: 8495

*Brian F. Farrell**Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16*

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. Introduction to Atmospheric Chemistry

Catalog Number: 7731

*Daniel J. Jacob**Half course (spring 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 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: Physics 1, Chemistry 10 or 7, and Mathematics 1.

Earth and Planetary Sciences 140. Geochemical Thermodynamics

Catalog Number: 1960

Stein B. Jacobsen

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

Application of equilibrium thermodynamics to problems in Earth and planetary sciences. The laws of thermodynamics. Thermodynamic functions. Conditions for thermodynamic equilibrium and spontaneous transformations. Systems of variable chemical composition. Partial molar quantities. Selection of components and the Gibbs phase rule. Chemography and petrogenetic grids. Conditions for heterogeneous and homogeneous equilibrium. Equilibrium constants. Fugacities and activities. Entropy of mixing in ideal solid solutions. Calculation of binary and ternary phase diagrams. Conditions for stability. Excess functions. Mixed volatile equilibria. Thermodynamics of aqueous solutions. Examples and problems drawn primarily from igneous and metamorphic petrology and geochemistry.

Note: Expected to be omitted in 2002–03. Given in alternate years.

Prerequisite: Chemistry 10 or equivalent; Mathematics 21a or Applied Mathematics 21a (may be taken concurrently).

[Earth and Planetary Sciences 141. Isotope and Trace Element Geochemistry and Geochronology]

Catalog Number: 7724

Stein B. Jacobsen

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

Application of isotope geochemistry to the problems in Earth and planetary sciences. The element and isotope distribution in the Earth and the Solar System. Closed system radioactive decay, isotope fractionation, mass balance, mixing and dilution. Radiogenic isotopes. Application of Rb-Sr, Sm-Nd, U-Th-Pb, Re-Os and K-Ar isotope systems for geochronology and as tracers for geological processes. Noble gas geochemistry. Extinct nuclides. Cosmogenic nuclides. U-series nuclides and their application to Quaternary chronology. 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 2002–03. Given in alternate years.

Prerequisite: Chemistry 10 or equivalent; EPS 6 or 7 or equivalent (recommended).

Earth and Planetary Sciences 150 (formerly Earth and Planetary Sciences 50). Planetary Materials and Geochemistry

Catalog Number: 4726

Stein B. Jacobsen

Half course (spring term). M., W., 1–2:30, plus three hours per week of laboratory. EXAM GROUP: 6, 7

An introduction to rocks and minerals—the materials of the solid Earth and other solar system bodies. Fundamental principles of mineral structures, phase equilibrium, and the processes of



formation of igneous, metamorphic, and sedimentary rocks. Construction and interpretation of phase diagrams, models for melt generation and crystallization, and the metamorphic facies concept and thermal models of metamorphism. Mineralogy, composition, and origin of meteorites and lunar rock samples. Applications to understanding the origin and evolution of planetary crusts and mantles. Laboratory emphasizes sample identification, optical mineralogy, x-ray diffraction, electron microprobe and mass spectrometer methods.

Prerequisite: EBS 6 or 7 or Science A-24, and Chemistry 5 or Chemistry 10, or permission of instructor.

[Earth and Planetary Sciences 161 (formerly Earth and Planetary Sciences 61). Global Tectonics]

Catalog Number: 1854

Richard J. O'Connell

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

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 2002–03.

Prerequisite: One basic earth science course (e.g., EPS 7 or Science A-24) or permission of instructor. *Recommended:* Applied Mathematics or Mathematics 21, Physics 11a or 15a.

Earth and Planetary Sciences 166. Introduction to Seismology

Catalog Number: 1540

Adam M. Dziewonski

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

Causes, occurrence, and properties of earthquakes. Earthquakes and tectonics, seismic risk, volcanic eruptions. Propagation of seismic waves, physical properties of the Earth's crust, core, and mantle. Seismographs and interpretation of recordings of earthquakes. Some aspects of the required mathematical methods (e.g., Fourier transform) are explained.

Note: Expected to be omitted in 2002–03. Given in alternate years.

Prerequisite: Mathematics 21a and 21b or Applied Mathematics 21a and 21b (may be taken concurrently).

[Earth and Planetary Sciences 167. Applied Geophysics]

Catalog Number: 5143

Adam M. Dziewonski

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

Geophysical methods used to prospect for oil and minerals and to address environmental problems such as ground water level, radioactive waste storage, estimation of seismic risk. Theory, instrumentation and interpretation of seismic, gravity, electrical and electromagnetic methods.

Note: Expected to be given in 2002–03. Given in alternate years.

Prerequisite: Mathematics 21a and 21b or Applied Mathematics 21a and 21b. Some of the required mathematical tools are explained during the course.



Earth and Planetary Sciences 171 (formerly Earth and Planetary Sciences 71). Structural Geology and Tectonics

Catalog Number: 0319

John H. Shaw

Half course (spring term). Tu., Th., 10–11:30; Labs: to be arranged; 2 hours/week and one 3 day field trip. EXAM GROUP: 12, 13

An introduction to deformation of Earth materials, including mountain building and plate tectonics, faulting and earthquakes, folding, and ductile deformation. Forces acting on rocks and resultant strains will be examined for a variety of pressure and temperature conditions. Rock fracture and faulting will be studied through numerical approaches, analog experiments, geologic maps, and cross sections. Ductile deformation mechanisms will be examined through microscopic investigation of rock fabrics. Labs will introduce modern applications of structural geology to the energy and environmental industries and for assessing earthquake hazards by using balanced cross sections, seismic reflection data, and satellite imagery.

Note: Expected to be omitted in 2002–03. Given in alternate years.

Prerequisite: EPS 6, 7, or 8, or permission of the instructor.

[Earth and Planetary Sciences 180. Sedimentary Basins]

Catalog Number: 6992

Paul F. Hoffman

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

Formation and evolution of sedimentary basins on continental crust (including passive margins, fore-arc and back-arc basins, rift systems and strike-slip basins, foreland and cratonic basins). Case studies of several examples of each basin type will be examined, with emphasis on stratigraphic architecture and relation to crustal deformation.

Note: Expected to be given in 2002–03.

Prerequisite: EPS7 or EPS8 or permission of the instructor.

[Earth and Planetary Sciences 181. Invertebrate Paleontology]

Catalog Number: 5162

Andrew H. Knoll and Charles R. Marshall

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

Principles of paleontology and a survey of the major invertebrate taxa. An emphasis on the nature and completeness of the fossil record, taphonomy, systematics, functional and theoretical morphology. Discussion of the importance of fossils for biostratigraphy, paleoecology, and evolutionary theory. Hierarchical views of evolutionary processes: micro- and macroevolution, background and mass extinctions.

Note: Expected to be given in 2002–03.

Prerequisite: Either Science B-16, Biological Sciences 51 (formerly Biological Sciences 2), or permission of instructor.

Cross-listed Courses

Anthropology 166. Archaeological Science

Biology 107. Evolution of Plant Life in Geologic Time

Biology 118. Biological Oceanography



Engineering Sciences 123. Introduction to Fluid Mechanics

[Engineering Sciences 162. Hydrology]

Engineering Sciences 165. Introduction to Environmental Engineering

Engineering Sciences 167. Environmental Assessment

Engineering Sciences 168. Aquatic Chemistry

Primarily for Graduates

Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics

Catalog Number: 2675

Daniel J. Jacob

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

A comprehensive treatment of the chemistry and physics of the atmosphere. Introduction to thermodynamics, kinetics and photochemistry in the atmosphere, with applications to stratospheric and tropospheric chemistry and pollution. Includes fundamentals of radiative transfer and simple models of the influence of trace gases on the earth's climate.

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 or 15, and Chemistry 10, 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). Hours to be arranged.

Comprehensive review of the physics of Earth's interior. Deals primarily with the solid behavior of the Earth. Topics include: continuum mechanics; elastic and viscous materials; physics of solids; thermodynamics; solid body rotational dynamics; and potential theory. Applications include: seismic waves and the structure and state of the Earth's interior; elastic and viscous deformation of the mantle and lithosphere; gravity field; Earth rotation and dynamics; mantle convection and heat transport.

Note: Expected to be given in 2002–03. Expected to be omitted in 2003–04.

Prerequisite: Applied Mathematics 105a and 105b, Physics 15 or equivalent. Preparation should be discussed with the instructor.

[Earth and Planetary Sciences 202. Introduction to the Dynamics of Atmospheres and Oceans]

Catalog Number: 2624

Allan R. Robinson

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

Conceptual, dynamical and observational bases of the geophysical fluid dynamics of the atmosphere and the ocean. Waves, instabilities and turbulence in rotating stratified fluids. Potential vorticity, quasigeostrophic dynamics, weather and eddies. The general circulations of the atmosphere, the ocean and the coupled air-sea climate system.



Note: Expected to be given in 2002–03.

Prerequisite: Applied Mathematics 105b, Physics 11 or 15, or equivalent.

[Earth and Planetary Sciences 205. Inverse Theory and Time Series Analysis]

Catalog Number: 4426

Adam M. Dziewonski

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

Techniques of data analysis and reduction in the Earth sciences. Topics: statistical parameter estimation; Backus-Gilbert linear inference; generalized inversion; stochastic inversion; Bayesian inference and confidence set inference; Fourier series and transforms, discrete Fourier transforms; digital filter design; multichannel filtration.

Note: Expected to be given in 2002–03.

Prerequisite: Applied Mathematics 105a,b.

Earth and Planetary Sciences 206. Space Geodesy for Earth Scientists

Catalog Number: 8218

James L. Davis

Half course (spring term). Hours to be arranged. EXAM GROUP: 17, 18

Space geodesy for the study of the solid Earth, the atmosphere, and the ocean. The determination of geophysical signals from space geodetic observables. Topics include the Global Positioning System, very long baseline interferometry, satellite-laser ranging, the TOPEX/POSEIDON altimeter, interferometric SAR, and several future space missions.

Note: 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 221. Topics in Environmental Microbiology

Catalog Number: 7183

Ralph Mitchell

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

Discussion of current research on environmental microbiology. Bioremediation of hazardous chemicals. New approaches to pest control. Ecological disturbances and emergent new diseases. The fate of genetically engineered microorganisms. Indicators of water-borne disease.

Prerequisite: An introductory biology course.

[*Earth and Planetary Sciences 231. Physical and Dynamical Oceanography]

Catalog Number: 6492

Allan R. Robinson

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



Theory and observation of the general ocean circulation and its variabilities; the fields of temperature, salinity, and density of the ocean; relationship to intermediate and small scale transient and turbulent processes. Topics in interdisciplinary dynamics of the sea.

Note: Expected to be given in 2002–03.

Prerequisite: Applied Mathematics 105b or permission of instructor; should ordinarily be taken after EPS 202.

Earth and Planetary Sciences 232. Dynamic Meteorology

Catalog Number: 5344

Brian F. Farrell

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

The atmosphere understood as a fluid dynamical system. Observations of atmospheric motions on a wide range of scales and the relation of these motions to weather and climate. Applications of the equations governing atmospheric dynamics and thermodynamics to specific phenomena including cyclogenesis, stationary waves, and the formation of fronts.

Prerequisite: Applied Mathematics 105b or permission of instructor.

Earth and Planetary Sciences 236. Atmospheric Physics

Catalog Number: 7250

Steven C. Wofsy

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

A comprehensive treatment of the chemical cycles of gases and aerosols containing carbon, hydrogen, nitrogen, oxygen, and sulfur on the earth. Biologican and geochemical mechanisms regulating global processes will e discussed in the framework of observations of the earth system. Global atmospheric change in response to human and natural influences and the origin and evolution of atmospheric gases will be examined.

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 or 15, and Chemistry 10, or more advanced courses; or permission of the instructors.

Earth and Planetary Sciences 238. Spectroscopy and Radiative Transfer of Atmospheres

Catalog Number: 1891

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.

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 Kinetics]

Catalog Number: 0187

Stein B. Jacobsen



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

Irreversible thermodynamics, heat flow and diffusion equations and K-U-Th geochemistry. Mass transfer between reservoirs; mantle and crustal evolution, geochemical cycles, determination of temperature-time-pressure histories of rocks from radiogenic isotope systems, geothermometers and geobarometers. Geochemical studies of hydrothermal systems, metasomatism, and diagenesis.

Note: Expected to be given in 2002–03. Applied Mathematics 105a,b are recommended. Given in alternate years.

Prerequisite: EPS 140, Mathematics 21a,b or Applied Mathematics 21a, b.

Earth and Planetary Sciences 241. Isotope Geochemistry and the Evolution of the Earth's Interior

Catalog Number: 1680

Stein B. Jacobsen

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

Cosmic abundances, meteorites, bulk compositions of the Earth's crust, mantle, and core. Application of radiogenic and stable isotopes to study the process of formation and evolution of the Earth's crust, mantle and core. Geochemical cycles of elements in the solid earth, residence times, element partition rules and mixing processes.

Note: Expected to be omitted in 2002–03. Given in alternate years.

[Earth and Planetary Sciences 242. Biogeochemistry of Light Stable Isotopes]

Catalog Number: 8808 Enrollment: Limited to 10.

Daniel P. Schrag

Half course (fall 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, applications to climate reconstruction, and multiple stable isotope techniques. Laboratory sessions provide an introduction to analytical methods and include an independent research project.

Note: Expected to be given in 2002–03. Given in alternate years.

[Earth and Planetary Sciences 260. Topics in Geophysics: The Core-Mantle Boundary]

Catalog Number: 2908

Jeremy Bloxham and Richard J. O'Connell

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

The course will address the physics and chemistry of the core-mantle boundary region. Topics will include the cooling of the core by the mantle and the thermal and chemical evolution of the core: core-mantle interactions, including the exchange of angular momentum between the core and the nature of D", including constraints on topography on the core-mantle boundary, anisotropy, and low velocity zones.

Note: Expected to be given in 2002–03. This course will be given simultaneously with a research seminar in the Department of Earth, Atmospheric and Planetary Sciences at MIT and will involve participants from both institutions.



[Earth and Planetary Sciences 263. Earthquake Source Processes]

Catalog Number: 0542

James R. Rice

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

Elastic radiation from faults in relation to source dynamics. Quantification of earthquakes; source parameters and scaling laws. Dynamic fracture theory. Friction laws; effective stress. State of stress in Earth's crust. Strength and rheology of faults. Earthquake instability and rupture propagation models. Spatio-temporal complexity of seismic response. Seismotectonics. Stressing and seismicity in the earthquake cycle. Seismicity rate changes and hazard modification due to nearby earthquakes.

Note: Expected to be given in 2002–03.

Prerequisite: EPS 166 or equivalent and further advanced 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. EXAM GROUP: 7, 8, 9

Theoretical and observational aspects of planetary magnetism, focused on Earth's magnetic field. Topics: observations of Earth's and other planets' magnetic fields and field mapping at core boundary; determination of core radius and fluid flow within core; core structure and dynamics; core energetics; rotation and convection; core magnetohydrodynamics and magnetic field generation; kinematic and dynamic dynamo theory.

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 (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Topics in the dynamics of processes in the Earth's interior and the physical properties of the Earth's interior, including: thermal convection and flow in the mantle, heat transport, rheology of the mantle, plate motions, plate deformation, physical properties of rocks and minerals.

Earth and Planetary Sciences 266r. Topics in Seismology: Earth Structure

Catalog Number: 2895

Adam M. Dziewonski

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

Topics in seismology related to investigation of the elastic and anelastic structure of the deep interior of the Earth using normal modes, surface waves, and body waves. Theory, observation, and interpretation. Emphasis on 3-D seismic tomography. Topics vary from year to year.

Prerequisite: EPS 166, Applied Mathematics 105a,b, or equivalent.

[Earth and Planetary Sciences 267. Global Seismology]

Catalog Number: 4091

Adam M. Dziewonski and Göran Ekström



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

Treats the theory and observational techniques used in the study of low-frequency seismic waves in the Earth. Free oscillations of a spherical Earth; effects of rotation, asphericity and heterogeneity. Mode splitting and coupling. Surface and body waves: dispersion attenuation, refraction and reflection. Seismic source representation and retrieval; centroid-moment tensor (CMT) analysis.

Note: Expected to be given in 2002–03. Given in alternate years.

Prerequisite: Applied math 105a, b or EPS 166 or equivalent preparation.

Earth and Planetary Sciences 268r. Topics in Seismology: Earthquakes

Catalog Number: 3021

Göran Ekström

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

Topics in seismology related to the earthquake source process. Focuses on observational and computational methods for determining earthquake parameters from seismic data. Kinematic and dynamic models of the earthquake source and their parameterization; modeling of seismic waveforms; inverse methods for parameter estimation. Topics vary from year to year.

Note: Expected to be omitted in 2002–03. Given in alternate years.

Prerequisite: EPS 166, or equivalent.

[Earth and Planetary Sciences 270r (formerly Earth and Planetary Sciences 270). 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. Emphasis is placed on defining regional structural styles in extensional basins, fold-and-thrust belts, and strike-slip systems. Methods of integrated surface geology, well logs, and remote sensing data into structural interpretation will be described. Students will work on independent projects analyzing seismic grids and 3D volumes.

Note: Expected to be given in 2002–03. Given in alternate years.

Prerequisite: EPS 71 or equivalent.

Earth and Planetary Sciences 271r (formerly Earth and Planetary Sciences 271). Current Topics in Earth and Planetary Sciences

Catalog Number: 2515

Paul F. Hoffman

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

Critical discussion of recent articles in any aspect of earth and planetary science. Articles from current serials and monographs will be selected on the basis of general interest and potential importance. Instructor will select articles and provide contextual information. Students will be expected to read and participate in discussion of 3-4 articles per week. One goal of the course is to foster breadth; another is to cultivate the habit of reading the current literature.

Prerequisite: Two of EPS 5, EPS 7, EPS 8, or permission of the instructor.



Earth and Planetary Sciences 272r. Topics in Structural Geology

Catalog Number: 1546

John H. Shaw

Half course (fall term). Hours to be arranged. EXAM GROUP: 13

Seminar course investigating recent advances in structural geology and exploration geophysics with applications in earthquake science and the petroleum industry. Specific topics vary from year to year.

Note: Expected to be omitted in 2002–03. Given in alternate years.

Prerequisite: EPS 171 or equivalent. Intended for graduate and advanced undergraduate students involved in structural geology search.

[Earth and Planetary Sciences 281r (formerly Earth and Planetary Sciences 281). Snowball Earth Phenomena]

Catalog Number: 2474

Paul F. Hoffman and Daniel P. Schrag

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

Theory and observations pertaining to the snowball earth hypothesis, including climate models, paleomagnetic constraints, sedimentological phenomena, geochemical perturbations, isotopic anomalies, and biological implications. Snowball events in Earth history and their spatial and temporal variability. Strengths and weaknesses of existing explanations, alternative hypotheses, and testable predictions. Evolution of the hypothesis and reactions to it, as an example of how scientists respond to radical ideas.

Note: Expected to be given in 2002–03.

Prerequisite: One basic earth science course (e.g., EPS5, EPS6, EPS7, EPS8, Science A-24, Science A-30, Science A-37, Science B-16, Science B-34) or permission of the instructors.

[Earth and Planetary Sciences 285r. Analytical Paleontology]

Catalog Number: 2132

Charles R. Marshall

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

A general treatment of different approaches to designing and testing quantitative models in paleobiology. Topics include, but will not be restricted to: determining times of origin and extinction; dissecting diversity dynamics; assessing the absolute completeness of the fossil record; stratigraphy and phylogeny reconstruction.

Note: Expected to be given in 2002–03.

Cross-listed courses

Biology 208. Issues in Paleobiology: Seminar

Graduate Courses of Reading and Research

***Earth and Planetary Sciences 330. Kinetics and Photochemistry of Planetary Atmospheres**

Catalog Number: 3810

James G. Anderson 6057



***Earth and Planetary Sciences 331. Atmospheric Chemistry**

Catalog Number: 4038

Daniel J. Jacob 1781

***Earth and Planetary Sciences 332. Dynamic Meteorology**

Catalog Number: 2802

Brian F. Farrell 7628

***Earth and Planetary Sciences 333. Atmospheric Chemistry: Research Seminar**

Catalog Number: 1510

Daniel J. Jacob 1781 and Members of the Department

Half course (fall term; repeated spring term). F., at 12.

***Earth and Planetary Sciences 334. Atmospheric Physics and Chemistry**

Catalog Number: 4886

Michael B. McElroy 2462

***Earth and Planetary Sciences 335. Physical and Dynamical Oceanography**

Catalog Number: 3095

Allan R. Robinson 2133 (on leave 2001-02)

***Earth and Planetary Sciences 337. Biological Oceanography**

Catalog Number: 5704

James J. McCarthy 4343 (on leave fall term)

***Earth and Planetary Sciences 338. Atmospheric Chemistry**

Catalog Number: 7596

Steven C. Wofsy 4396

***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 344. Topics in Stable Isotope Geochemistry and Geochemical Oceanography**

Catalog Number: 6291

Daniel P. Schrag 3054 (on leave spring term)

***Earth and Planetary Sciences 362. Dynamo Theory: Research Seminar**

Catalog Number: 1840

Jeremy Bloxham 2047



***Earth and Planetary Sciences 363. 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

***Earth and Planetary Sciences 368. Seismology**

Catalog Number: 4932

Göran Ekström 2682

***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 383. Paleobiology**

Catalog Number: 7946

Stephen J. Gould 1707

***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



East Asian Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of East Asian Languages and Civilizations

Peter K. Bol, Harvard College Professor and Professor of Chinese History (*Chair*) (*on leave 2002-2003*)

Mikael Adolphson, Assistant Professor of Japanese History (*on leave 2001-02*)

Harold Bolitho, Professor of Japanese History

James Evert Bosson, Visiting Associate Professor of Inner Asian Studies (*University of California, Berkeley*)

Eileen Cheng-yin Chow, Assistant Professor of Chinese Literary and Cultural Studies (*on leave 2002-2003*)

Edwin A. Cranston, Professor of Japanese Literature (*on leave 2001-02*)

Carter J. Eckert, Professor of Korean History

Yu Feng, Preceptor in Chinese

Robert M. Gimello, Visiting Professor of East Asian Studies and Religious Studies

Andrew Gordon, Professor of History (*on leave 2002-03*)

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society (*on leave spring term*)

Baozhang He, Professor of the Practice of Chinese Language (*Director of the Chinese Language Program*)

Wenze Hu, Preceptor in Chinese

Emily Huang, Preceptor in Chinese

Yuko K. Hunt, Preceptor in Japanese

Jiha Hwang, Preceptor in Korean (*Director of the Korean Language Program*)

Wilt Lukas Idema, Professor of Chinese Literature (*on leave 2001-02*)

Satoru Ishikawa, Preceptor in Japanese

Wesley M. Jacobsen, Professor of the Practice of the Japanese Language (*Director of the Japanese Language Program*)

Adam Kern, Assistant Professor of Japanese Literature

Sun Joo Kim, Assistant Professor of Korean History

Tsuyoshi Kojima, Visiting Associate Professor of Chinese History

Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations

Leo Ou-Fan Lee, Professor of Chinese Literature (*on leave 2001-02*)

Aimin Li, Preceptor in Chinese

Wai-yee Li, Professor of Chinese Literature (*on leave 2002-03*)

Yuehua Liu, Preceptor in Chinese

Satomi Matsumura, Senior Preceptor in Japanese

David McCann, Korea Foundation Professor of Korean Literature

Itsuko Nakamura, Preceptor in Japanese

Binh Ngo, Preceptor in Vietnamese (*Director of the Vietnamese Language Program*)

Yori Oda, Senior Preceptor in Japanese

Sang-suk Oh, Preceptor in Korean



Stephen Owen, James Bryant Conant University Professor (*on leave 2002-2003*)

Xiaofei Tian Owen, Preceptor in Chinese

Joan R. Piggott, Visiting Associate Professor of Japanese History

Michael James Puett, John L. Loeb Associate Professor of the Humanities

Paul Rouzer, Preceptor in Literary Chinese

Jay Rubin, Takashima Professor of Japanese Humanities

Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies

Royall Tyler, Visiting Professor of Japanese

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies

Xuedong Wang, Preceptor in Chinese

Endymion Porter Wilkinson, Lecturer on East Asian Languages and Civilizations

Committee for the Social Science Program in East Asian Studies of the Department of East Asian Languages and Civilizations

Andrew Gordon, Professor of History (*Chair*) (*on leave 2002-03*)

Carter J. Eckert, Professor of Korean History

William C. Kirby, Edith and Benjamin Geisinger Professor of History and Dean of the Faculty of Arts and Sciences

Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics (*on leave spring term*)

James L. Watson, John King and Wilma Cannon Fairbank Professor of Chinese Society

Other Faculty Offering Instruction in East Asian Languages and Civilizations

Albert M. Craig, Harvard-Yenching Research Professor of History

Patrick D. Hanan, Victor S. Thomas Research Professor of Chinese Literature

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.”

In May 1990, the Faculty voted to merge the two undergraduate concentrations of East Asian Languages and Civilizations and of East Asian Studies into a single concentration under the Department of East Asian Languages and Civilizations. During the transitional year of 1990–91, there were two separate concentrations, but all sophomores entered the merged program. As of 1991–92, the name of the concentration was changed to East Asian Studies. All sophomores and juniors are part of the merged program, and there is a single administration under the Department of East Asian Languages and Civilizations.

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. For further information about the merger and requirements, contact the main office of Asian Studies located at 9 Kirkland Place.

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.

East Asian Studies

Primarily for Undergraduates

***East Asian Studies 91r. Supervised Reading and Research**

Catalog Number: 0961

David McCann 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 EAS Head Tutor required.

***East Asian Studies 97r. Tutorial —Sophomore Year**

Catalog Number: 0306

Michael James Puett (fall term), Helen Hardacre (spring term) and members of the department

Half course (fall term; repeated spring term). Fall: Tu., 1–2:30; Tu., 5:30–7:30 p.m.; W., 4–6; Th., 3–5. EXAM GROUP: Fall: 16, 17

Note: Required of sophomore concentrators.

***East Asian Studies 98r. Tutorial — Junior Year**

Catalog Number: 0342

David McCann and members of the Department.

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of junior concentrators. Divided into sections specializing in China, Japan, Korea, and Vietnam.

***East Asian Studies 99. Tutorial — Senior Year**

Catalog Number: 0384

David McCann and members of the Department.

Full course. Hours to be arranged.

Thesis guidance under faculty direction.

For Undergraduates and Graduates

East Asian Studies 120. Visual Culture in 20th Century China: Popular Genres and the Ideal of Popular Art

Catalog Number: 6415

Felicity Anne Lufkin



Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

This course will look at three popular, commercially successful visual genres, all of which have figured in ongoing debates over the nature and potential of popular art in 20th century China—woodcut-printed “New Year pictures,” mechanically-produced “calendar pictures,” and the comic-like “serial picture books”—as well as the self-consciously modern New Print Movement. The course will trace the debates that connected these art forms from the first half of the century through the first decades of the P.R.C.

East Asian Studies 180. Kingship and State Formation in Premodern East Asia

Catalog Number: 6656

Joan R. Piggott

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

This seminar will focus on kingship and state formation in premodern East Asia. Starting from discussions of kingship and state formation in terms used by political anthropologists, we will move on to case studies set in early China, Korea, and Japan. We will consider archaeological artifacts, primary sources, and how historians work with same. Seminar members will do research on problems of kingship and state formation in a context of their choice.

Prerequisite: Previous course work in premodern East Asian historical studies required.

Primarily for Graduates

East Asian Studies 211. Historical Theory and Methods

Catalog Number: 3088

Michael James Puett

Half course (fall term). F., 2–4. EXAM GROUP: 7, 8

An exploration of theories and methods for historical research in East Asian history. We will discuss approaches to social, cultural, intellectual, and political history, analyzing both significant works in each of these fields as well as applications to the study of Chinese, Japanese, and Korean materials.

East Asian Buddhist Studies

For Undergraduates and Graduates

[*East Asian Buddhist Studies 114. The Mahâyâna in East Asia: Bodhisattvas and Their Cults in Medieval and Early Modern East Asian Buddhism]

Catalog Number: 9159 Enrollment: Limited to 20.

Robert M. Gimello

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

An exploration of the character of East Asian Mahâyâna Buddhism as revealed not only in the systematic exposition of its doctrines, but also, and especially, in its cultic practices, beliefs, and iconography. Taking the bodhisattva as both the fullest embodiment of Mahâyâna's ideals and the chief focus of its piety, this course will trace the transformations wrought in the cults and images of the great bodhisattvas—most particularly Manjusri—from the 2nd through the 12th century in the course of Buddhism's encounter principally with Chinese but also with Korean



and Japanese civilization.

Note: Expected to be given in 2002–03. Offered jointly by the Divinity School as 3560.

[*East Asian Buddhist Studies 115. Buddhist Meditation Traditions]

Catalog Number: 6958

Robert M. Gimello

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

Focusing particularly on Buddhism in East Asia, and relying chiefly on English translations of primary canonical and paracanonical sources, this course will examine a variety of specific meditation curricula while also posing theoretical questions about the relationship between meditation and Buddhist doctrine, the value of meditation in the moral lives of Buddhist individuals and communities, the influence of meditation upon Buddhist art, the connection between meditation and Buddhist ritual, etc.

Note: Expected to be given in 2002–03. Offered jointly by the Divinity School as 3561.

East Asian Buddhist Studies 116a. Buddhism in East Asia: I-VII Century

Catalog Number: 9937

Robert M. Gimello

Half course (fall term). Tu., Th., 10–11:30, and one additional hour to be arranged. EXAM GROUP: 12, 13

A survey of the history of Buddhist thought and practice in East Asia from its advent in Han China to the emergence of distinctly East Asian traditions of Buddhist thought and practice in the early Tang, with attention also to the early transmission of Buddhism to Korea, Japan, and Vietnam.

Note: Offered jointly with Divinity School as 3521.

East Asian Buddhist Studies 116b. Buddhism in East Asia: VIII-XVI Century

Catalog Number: 9214

Robert M. Gimello

Half course (spring term). Tu., Th., 10–11:30, and one additional hour to be arranged. EXAM GROUP: 12, 13

A survey of the history of Buddhist thought and practice in mid-Tang through Ming China, with attention also to developments during the same period in Korea, Vietnam, and Japan.

Note: Offered by the Divinity School as 3526.

[East Asian Buddhist Studies 120. Buddhist Apologetics in East Asia]

Catalog Number: 0692

Robert M. Gimello

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

A treatment of the process by which Buddhism in China, Korea, and Japan came to define itself either over and against other religious and intellectual traditions like Confucianism, Daoism, and Shintō or in ecumenical relation to them. Historical examples of Buddhism's response to other traditions will be considered in light of modern theories of inter-religious dialogue.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 3524.

Primarily for Graduates



East Asian Buddhist Studies 210r. Topics in East Asian Buddhism

Catalog Number: 7624

Robert M. Gimello

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

Examination of various themes and issues in the history of medieval and early modern Chinese, Korean, and/or Japanese Buddhism. The subject this year will be the formation and early history of Huayan Buddhism.

Prerequisite: A reading knowledge of classical Chinese is required.

[East Asian Buddhist Studies 212. Later Huayan Buddhism]

Catalog Number: 7986

Robert M. Gimello

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

A study of the intellectual history of *Huayan* (Korean: Hwaom, Japanese: Kegon) Buddhism focusing in Song China, Koryo Korea, and late Heian/Kamakura Japan. Special attention will be given to the relation between *Huayan* and *Chan* (Son/Zen). Reading knowledge of classical Chinese is required.

Note: Expected to be given in 2002–03. Offered jointly by the Divinity School as 3862.

East Asian Buddhist Studies 214. Buddhism Under the Liao

Catalog Number: 3844

Robert M. Gimello

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

A study of the institutional, intellectual, and cultic history of Buddhism, especially esoteric Buddhism, under the Khitan or Liao dynasty (907-1125).

Prerequisite: A reading knowledge of classical Chinese is required.

Cross-listed courses

***South Asian Buddhist Studies 303. Reading and Research**

China: Language Courses

For Undergraduates and Graduates

Chinese Aab. Intensive Elementary Modern Chinese

Catalog Number: 0625

Wenze Hu

Full course (fall term). M. through F., 1–3. EXAM GROUP: 6, 7, 15, 16

Intensive introduction to modern standard (Mandarin) Chinese pronunciation, grammar, conversation, reading, and writing.

Note: Satisfies prerequisite for 2nd year Chinese.

Chinese Ba. Elementary Modern Chinese

Catalog Number: 4375

Aimin Li and Baozhang He



Half course (fall term). Section I: Tu., Th., at 9; Section II: Tu., Th., at 10; Section III: Tu., Th., at 11; Section IV: Tu., Th., at 2, and three additional hours to be arranged. EXAM GROUP: 6 Nonintensive introduction to modern Chinese pronunciation, grammar, conversation, reading, and writing.

Note: No auditors permitted. May not be taken Pass/Fail.

Chinese Bb. Elementary Modern Chinese

Catalog Number: 8714

Aimin Li

Half course (spring term). Section I: Tu., Th., at 10; Section II: Tu., Th., at 11; Section III: Tu., Th., at 2, and three additional hours to be arranged. EXAM GROUP: 12

Continuation of Chinese Ba.

Note: No auditors permitted. May not be taken pass/fail.

Prerequisite: Chinese Ba or equivalent.

Chinese Bx. Elementary Chinese for Advanced Beginners

Catalog Number: 7066

Emily Huang

Half course (fall term). Section I: M. through F. at 10; Section II: M. through F. at 2. EXAM GROUP: 3, 12

For students with significant listening and speaking background. Introductory Modern Chinese language course, with emphasis on reading and writing. Covers in one semester the equivalent of Chinese Ba and Bb.

Note: No auditors permitted. May not be taken Pass/Fail. Students must pass a test in listening and speaking to take the course.

[Chinese 100 (formerly Chinese 100r). Mandarin Pronunciation and Grammar for Speakers of Cantonese Dialects]

Catalog Number: 7291

Baozhang He

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

An introduction to modern Chinese pronunciation. Offering a systematic contrast and comparison between the sound and syntactic systems of the two dialects, for students who are native speakers of Cantonese and have a strong background in reading. Those who wish to continue will be prepared for Chinese 113b, Advanced Conversational Chinese.

Note: Expected to be given in 2003–04.

Chinese 101a. Intermediate Modern Chinese

Catalog Number: 4283

Xuedong Wang

Half course (fall term). Section I: Tu., Th., at 10; Section II: Tu., Th., at 11; Section III: Tu., Th., at 2, and three additional hours to be arranged. EXAM GROUP: 12

Modern texts, conversation, reading, and composition.

Prerequisite: Chinese Bb or equivalent.



Chinese 101b. Intermediate Modern Chinese

Catalog Number: 1702

Xuedong Wang

Half course (spring term). Section I: Tu., Th., at 10; Section II: Tu., Th., at 11; Section III: Tu., Th., at 2, and drill sections MWF at 9, 10 and 2. EXAM GROUP: 12

Continuation of Chinese 101a.

Chinese 101x. Intermediate Modern Chinese for Advanced Beginners

Catalog Number: 7034

Emily Huang

Half course (spring term). Section I: M. through Th. at 10; Section II: M. through Th. at 2.

EXAM GROUP: 3, 12

Continuation of Chinese Bx. Covers in one semester the equivalent of Chinese 101a and 101b.

Chinese 102ab. Intensive Intermediate Modern Standard Chinese

Catalog Number: 0977

Wenze Hu

Full course (spring term). M. through F., 1–3. EXAM GROUP: 6, 7, 15, 16

Continuation of Chinese Aab.

Note: Satisfies prerequisite for 3rd year Chinese.

Prerequisite: Chinese Aab, or Ba and Bb, or equivalent.

Chinese 105a. Advanced Modern Chinese

Catalog Number: 6724

Yu Feng

Half course (fall term). Section I: M., W., at 10; Section II: M., W., at 11; Section III: M., W., at 2, and three additional hours to be arranged. EXAM GROUP: 3, 4

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 105b. Advanced Modern Chinese

Catalog Number: 2917

Yu Feng

Half course (spring term). Section I: M., W., at 10; Section II: M., W., at 11; Section III: M., W., at 2, and three additional hours to be arranged. EXAM GROUP: 3, 4

Continuation of Chinese 105a.

Note: Conducted in Chinese.

Prerequisite: Chinese 105a.

[Chinese 108a. Cantonese]

Catalog Number: 0223

Baozhang He and staff

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



Nonintensive introduction to Cantonese dialect. Emphasizes basic pronunciation and colloquial usage.

Note: Expected to be given in 2003–04. Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years formal study of Mandarin.

[Chinese 108b. Cantonese]

Catalog Number: 0831

Baozhang He and staff

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

Continuation of Chinese 108a.

Note: Expected to be given in 2003–04. Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years formal study of Mandarin and Chinese 108a or equivalent.

Chinese 110a. Advanced Readings in Modern Chinese

Catalog Number: 1945

Yuehua Liu

Half course (fall term). Section I: M., W., F., at 9; Section II: M., W., F., at 1; and 1 additional hour to be arranged. EXAM GROUP: 2, 6

Rapid reading of selections from books and articles.

Note: Conducted in Chinese.

Prerequisite: Chinese 105b.

Chinese 110b. Advanced Readings in Modern Chinese

Catalog Number: 6844

Yuehua Liu

Half course (spring term). Section I: M., W., F., at 9; Section II: M., W., F., at 1; and 1 additional hour to be arranged. EXAM GROUP: 2, 6

Continuation of Chinese 110a.

Chinese 111r. Readings in Modern Chinese Literature and Culture

Catalog Number: 7049

Xiaofei Tian Owen

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

This year's topic will be "Old Stories Retold." We will examine a series of well-known "old stories" retold in the twentieth century in the form of short story, novella, drama, poetry, and film. Why are these stories so haunting in the collective cultural memory? What in these stories grabs the Chinese cultural imagination? Who have undertaken to rewrite these stories, from what perspective, and why?

Note: Conducted entirely in Chinese.

Prerequisite: At least three years of Mandarin or equivalent (with instructor's permission).

Chinese 113a. Advanced Conversational Chinese

Catalog Number: 3900

Baozhang He and staff



Half course (fall term). Tu., Th., 2–3:30 and one additional hour to be arranged. EXAM

GROUP: 16, 17

Spoken Chinese for advanced students.

Prerequisite: Chinese 110a or equivalent.

Chinese 113b. Advanced Conversational Chinese

Catalog Number: 1418

Baozhang He and staff

Half course (spring term). Tu., Th., 2–3:30, and one additional hour to be arranged. EXAM

GROUP: 16, 17

Spoken Chinese for advanced students.

Prerequisite: Chinese 100, 113a, or equivalent.

Chinese 115a. Beginning Taiwanese (Southern Min) Conversation

Catalog Number: 2299

Chin-An Li and staff

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Non-intensive introduction to Taiwanese (Minnan dialect). Emphasizes basic pronunciation and colloquial usage.

Note: Primarily intended for non-native speakers. No auditors permitted.

Chinese 115b. Beginning Taiwanese (Southern Min) Conversation

Catalog Number: 5696

Chin-An Li and staff

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Continuation of Chinese 115a.

Note: Primarily intended for non-native speakers. No auditors permitted.

Prerequisite: Chinese 115a or permission of the instructor.

Chinese 116a. Intermediate Taiwanese (Southern Min) Conversation

Catalog Number: 8491

Chin-An Li

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

Note: No auditors.

Prerequisite: Continuation of Chinese 115b or equivalent.

Chinese 116b. Intermediate Taiwanese (Southern Min) Conversation

Catalog Number: 2565

Chin-An Li

Half course (spring term). Tu., 1–2:30, Th., 4–5:30. EXAM GROUP: 15, 16, 18

Note: No auditors permitted.

Prerequisite: Continuation of Chinese 116a or equivalent.

[Chinese 183. Being Chinese: Contemporary Cultural Debates]

Catalog Number: 5179

Xiaofei Tian Owen



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

This course is designed for both undergraduate and graduate students and intends to explore a series of heated contemporary cultural debates in China that are all concerned about the “Chinese identity” and the notion of “greater cultural China” in the age of globalization. Readings for this course draw on essays, critical writings, and movie reviews published in current Chinese literary and cultural journals as well as on Chinese Internet. In relation to the readings the students will also watch some relevant Chinese movies made in the 1980s-1990s.

Note: Expected to be given in 2002–03. Class conducted in Chinese.

Prerequisite: Four years of Mandarin or equivalent (with instructor’s permission).

Chinese 187. Art and Violence in the Cultural Revolution

Catalog Number: 1253

Xiaofei Tian Owen

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

This course examines the profound cultural implications of the Cultural Revolution (1966-1976) and its deep impact on the Chinese culture by starting to ask how art did violence to people and how violence was turned into an art. Readings will range from political essays to the much neglected fiction and poetry produced during this period, the famous “Eight Revolutionary Peking Operas,” memoirs of their personal experiences during this period by writers and scholars, and films.

Note: Conducted entirely in Chinese.

Prerequisite: At least three years of Mandarin or equivalent (with instructor’s permission).

Chinese 189. Readings in Chinese Social Sciences: Being Chinese

Catalog Number: 1025

Xiaofei Tian Owen

Half course (fall term). Tu., Th., at 1, and one additional hour to be arranged. EXAM GROUP: 15

We will read a series of texts in Chinese social sciences and approach the problem of “being Chinese” from the perspective of the social sciences.

Note: Conducted entirely in Chinese

Prerequisite: At least three years of Mandarin or equivalent (with instructor’s permission).

Primarily for Graduates

Chinese 215r (formerly Chinese 215). Cultural and Literary Discourse in Premodern China

Catalog Number: 8043

Xiaofei Tian Owen

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

This semester’s topic will be the early fifth century work *Shishuo xinyu* and the social/cultural world around it. Readings include *Shishuo xinyu* sections, official histories, essays, letters, memorials, religious texts (Buddhist and Daoist), *zhiguai* stories, and poetry.

Note: Conducted entirely in Chinese.

Prerequisite: At least three years of Mandarin or equivalent; one year of Literary Chinese or equivalent (with instructor’s permission).



Chinese Linguistics 200. Introduction to Teaching of Modern Chinese Language

Catalog Number: 5108

Baozhang He

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Introduction to theoretical and practical aspects of teaching Modern Standard Chinese as a second language at the college level. Includes review of concepts and publications relating to recent trends in second language teaching, examination and discussion of specific pedagogical issues and materials concerned with teaching Modern Standard Chinese, and observation of class teaching.

Literary Chinese Courses

Chinese 106a. Introduction to Literary Chinese

Catalog Number: 1185

Paul Rouzer

Half course (fall term). Section I: M., W., F., at 10; Section II: M., W., F., at 11. EXAM GROUP: 3

Basic grammar and the reading of simple texts.

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

Paul Rouzer

Half course (spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 11. EXAM GROUP: 3

Continuation of Chinese 106a.

Prerequisite: Chinese 106a or permission of instructor.

Chinese 107a. Intermediate Literary Chinese

Catalog Number: 3343

Paul Rouzer

Half course (fall term). Tu., Th., at 12, and one additional hour to be arranged. EXAM GROUP: 14

A second-year course in literary Chinese, covering the genres and styles used in the imperial period. Historical, literary, and religious texts in both poetry and prose will be read.

Prerequisite: One year of literary Chinese.

Chinese 107b. Intermediate Literary Chinese

Catalog Number: 6931

Paul Rouzer

Half course (spring term). Tu., Th., at 12, and one additional hour to be arranged. EXAM GROUP: 14

Continuation of 107a.

Prerequisite: Chinese 107a or equivalent.



China: History Courses

For Undergraduates and Graduates

Chinese History 111. Introduction to Chinese History: Pre-Imperial and Imperial China, ca. 1700 B.C.–A.D. 755

Catalog Number: 7133

Michael James Puett

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

Survey of Chinese history from the Bronze Age to the middle of the T'ang Dynasty. Social, economic, and political institutions analyzed in relation to changes in philosophical and religious beliefs and cultural patterns.

Note: No prior course work in Chinese history is presupposed.

[Chinese History 116a (formerly Chinese History 116). Intellectual History of China to the Mid T'ang Dynasty]

Catalog Number: 1057

Michael James Puett

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

A survey of Chinese intellectual history from antiquity to the end of the T'ang dynasty. Particular emphasis will be placed on the classical philosophers, including Confucius, Chuang Tzu, Lao Tzu, Mencius, and Hsün Tzu.

Note: Expected to be given in 2002–03. No prior coursework in Chinese history is presumed.

Chinese History 116c. Modern Chinese Intellectual History

Catalog Number: 7223

Wei-Ming Tu

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Explores the important themes and diverse idioms of critical thinking in China's modern transformation. The course emphasizes the interplay between iconoclastic attacks on the tradition and the enduring habits of the heart in debates on Westernization and modernization. Issues to be discussed include the impact of the Enlightenment mentality, the rise of Maoism, and the possibility of a "third epoch" of Confucian humanism.

[Chinese History 118. History of Relations between China and Inner Asia II]

Catalog Number: 3074

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

A continuation of Chinese 117. Examines the political, military, economic, and social aspects of the relationship between China and Inner Asia from the 13th to the 20th century.

Note: Expected to be given in 2002–03. Some knowledge of Chinese is recommended but not required. Previous enrollment in Chinese History 117 is not a prerequisite.

Cross-listed Courses



Anthropology 144. The Archaeology of Ancient China

[Foreign Cultures 48. The Cultural Revolution]

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

Historical Study A-13. China: Traditions and Transformations

Historical Study A-53. The Chinese Revolutionary Tradition

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

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

Historical Study A-81. Chinese Emigration in Modern Times

[History 1831. China's Partners: Conference Course]

[History of Science 103. Chinese Medical History: Conference Course]

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

Primarily for Graduates

Chinese History 211. Research on Chinese History and Civilization: Tools and Methods

Catalog Number: 4895

Endymion Wilkinson

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

Introduction to issues relating to Chinese written, artefactual, and oral evidence, including the most efficient ways of navigating such sources using the best and most up-to-date tools in Chinese, Japanese, and Western languages.

Note: A working knowledge of Chinese (and Japanese) is desirable.

[Chinese History 224. Introduction to T'ang and Sung Historical Sources]

Catalog Number: 0673

Peter K. Bol

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

Introduction to the reading and interpretation of sources useful in the study of T'ang and Sung history. Recent scholarship and methodological issues are also discussed.

Note: Expected to be given in 2002–03.

Prerequisite: One year of literary Chinese or the equivalent.

Chinese History 226. Introduction to Sources for Local History

Catalog Number: 7114

Peter K. Bol

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

Introduction to the reading and interpretation of various kinds of sources from the Sung, Yuan, and Ming periods useful in the study of local history. Recent scholarship and methodological issues are also discussed.

Prerequisite: One year of literary Chinese or the equivalent.

Chinese History 227r (formerly Chinese History 227z). Topics in Middle-Period Sociocultural History: Seminar

Catalog Number: 7132

Peter K. Bol



Half course (spring term). M., 1–4. EXAM GROUP: 6, 7, 8

Examines changes in Chinese society and culture from the Southern Sung period into the mid-Ming period through case studies in local history.

Prerequisite: Knowledge of literary Chinese.

[Chinese History 233. Sources for Early Chinese History]

Catalog Number: 9387

Michael James Puett

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

Chronological survey of recently-discovered paleographic texts and received materials from the late Shang through the early Warring States period, with discussion of problems of contextualization.

Note: Expected to be given in 2002–03.

[Chinese History 234. The Historiography of Early Chinese History]

Catalog Number: 8694

Michael James Puett

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

A study of major trends in the history of scholarship on early China. The main focus will be on 20th-century scholarship, but earlier developments will be introduced where relevant.

Note: Expected to be given in 2002–03.

Chinese History 235. Topics in Warring States History: Seminar

Catalog Number: 1499

Michael James Puett

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

Close reading of texts from the Warring States period.

Chinese History 236. Japanese Scholarship on Chinese Intellectual History

Catalog Number: 4664

Tsuyoshi Kojima

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

A survey of Japanese scholarship on Chinese intellectual history from antiquity to late imperial period, focusing on variations of important terms selected from "Chugoku Siso-Bunka Jiten (Dictionary of the History of Ideas in China)".

Prerequisite: Knowledge of literary Japanese.

[Chinese History 240r (formerly Chinese History 240). Readings in Chinese Intellectual History]

Catalog Number: 7633

Wei-Ming Tu

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

An intensive close reading of Yi T'oegye's (1501-1570) Ten Diagrams of Sagely Learning and selected primary sources of the so-called "Four-Seven" debates (centering on the relationship between the Four Beginnings in Mencius' theory of the mind and the seven emotions in the Book of Rites) in Korean Confucian thought.



Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 3520.

Prerequisite: Knowledge of classical Chinese is required.

Chinese History 251. Confucian Ethics: Conference Course

Catalog Number: 2428

Wei-Ming Tu

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

An exploration of salient features in the Confucian mode of moral reasoning.

Note: Jointly offered with the Divinity School as 3857.

[Chinese History 260. Taoism: Conference Course]

Catalog Number: 6129

Wei-Ming Tu

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

Explores a philosophical and religious aspect of the Taoist tradition in China in a historical perspective.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as HDS 3950.

Cross-listed Courses

Anthropology 296r. Chinese Social Anthropology: Seminar

History 2830a. Late Imperial and Modern Chinese History: Proseminar

***History 2831r. Research Topics in Modern Chinese History: Seminar**

History 2847. 20th-Century China: Seminar

[History 2848a. Introduction to Archival Research in Chinese History: Conference Course]

[History 2848b. Introduction to Archival Research in Chinese History: Seminar]

China: Literature Courses

For Undergraduates and Graduates

[Chinese Literature 125. Modern Chinese Literature in Translation]

Catalog Number: 1162

Eileen Cheng-yin Chow

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

Readings of major works in modern Chinese literature, centering on the interaction between literary texts and other cultural, artistic, and social domains from the late 19th century to the present.

Note: Expected to be given in 2002–03.

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

Catalog Number: 7241

Eileen Cheng-yin Chow

Half course (fall term). Tu., Th., at 11; Tu., 7–10 p.m. weekly film screening. EXAM GROUP: 13

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 and the larger context of 1930s Shanghai urban culture; film's relationship to literary and pop culture discourses (music, soap opera, fanzines); aesthetic responses to historical crises (Taiwan's 228 Incident, the Cultural Revolution, 1997 Hong Kong handover), "spectacular" violence and the martial arts genre.

Note: Lectures and readings in English, plus weekly film screenings. No prior background in subject matter required.

Chinese Literature 132. Chinatowns

Catalog Number: 8316

Eileen Cheng-yin Chow

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

What happens at the crossroads of space and ethnicity? This seminar explores the myriad ways in which "Chinatown" has circulated as 'memory, fantasy, narrative, myth' in the dominant cultural imagination in the last century and a half, and how the lived realities of overseas Chinese communities, Asian American history, and changing conceptions of 'Chineseness' have productively engaged with these real and phantom Chinatowns. Though the emphasis of the seminar will be on cultural and theoretical issues rather than on a socio-historical study of the "Chinatown" phenomenon, participants are encouraged to pursue multi-disciplinary approaches to the subject, such as studies in urban history, architecture, ethnography, economics, or creative projects for their final projects.

Chinese Literature 150. Diaspora and Transnationalism

Catalog Number: 1470

Eileen Cheng-yin Chow

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

In this course we look at the way in which historical and cultural notions of nations, diasporas, and homes intersect with new economic and social arrangements that have created transnational flows of people across the globe. Readings focus on debates around nationalism, transnationalism, and cultural identity, and their relation to memory, knowledge, and narrative; the question of translated sexualities; hybrid/minority cultural formations; and the role modern mass media has played in creating transnational publics. Theoretical perspectives from Anderson, Appadurai, Bhabha, Chow, Clifford, Gilroy, Hall, Radhakrishnan, Ong, Spivak; creative texts include those by Edwige Danticat, Jhumpa Lahiri, Michael Ondaatje, Ruth Ozeki, Salman Rushdie, and selected films.

[Chinese Literature 153. Epic Poetry, Narrative Verse, and Prosimetric Literature]

Catalog Number: 1105

Wilt Lukas Idema

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

The Chinese tradition of poetry is overwhelmingly lyrical in nature. This does not mean, however, that narrative poetry and epic dimensions are absent. Moreover, Chinese literature developed as an extremely rich body of chantable literature. Works in these genres tell their stories in an alternation of prose of verse. In this course we will look at the most important genres (bianwen, zhugongdiao, cihua, tanci, baojuan) and discuss some works in detail.

Note: Expected to be given in 2003–04.



[Chinese Literature 157. Women's Writing in Imperial China]

Catalog Number: 8022

Wilt Lukas Idema

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

In this course we will consider what kind of women in imperial times wrote what kind of literature, and the changes in these patterns over the centuries. We will not only deal with poetry by women, but also look at other genres, such as drama and verse narrative.

Note: Expected to be given in 2002–03.

[Chinese Literature 158. Passion and Duty in Chinese Drama]

Catalog Number: 8085

Wilt Lukas Idema

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

Traditional and modern Chinese literature have a rich dramatic tradition. Following a general introduction to the theater in China in its historical development, we will read (in translation) representative plays from the major dramatic genres from the 13th to the 20th century. In the discussion of these plays, drawing upon existing scholarship and criticism, we will emphasize the ways in which the conflict between passion (love, revenge) and duty (filial piety, loyalty to the state) is dealt with in each case.

Note: Expected to be given in 2003–04.

[Chinese Literature 159. Filial Piety in Chinese Literature]

Catalog Number: 1790

Wilt Lukas Idema

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

Filial piety is a central value in traditional Chinese culture. Perhaps because it is an unavoidable duty and not a matter of choice, it does not play the important role in Chinese literature one might expect. In this course we will look at the various ways in which filial piety has been constructed in Chinese literature, starting from the *Xiaojing* (Classic of Filial Piety) and *Ershisi xiao* (Twenty-four Examples of Filial Piety) and proceeding through traditional fiction and drama to the attacks on filial piety during the May Fourth period at the beginning of the 20th century.

Note: Expected to be given in 2002–03.

Chinese Literature 160. Heroes and Anti-heroes in Chinese Literature: Seminar

Catalog Number: 9930

Wai-yee Li

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This course traces the protean transformations of heroes in Chinese literature. Marginality, dissent, and alternatives define a counter-tradition endemic to the literary representation of heroes. The entwined genealogies of heroes and anti-heroes demonstrate how conflicting value systems shape literary works. Early historical writings create heroic types by examining ideas of power and authority, success and failure. The ironic displacement and folk transformations of historical heroes bring us to the origins of Chinese fiction. We will concentrate on how liminal types, such as the knight-errant, the trickster, the frustrated scholar, the aesthete, the marginal woman, and the social outcast become dominant figures in Chinese fiction.



Cross-listed Courses

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

Linguistics 171. Structure of Chinese

[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

Stephen Owen

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

An introduction to the study of pre-modern Chinese literature, its history and customs, sources and resources, and issues in research.

[Chinese Literature 201a. History of Chinese Literature: Beginnings through Song]

Catalog Number: 0165

Stephen Owen

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

Basic scholarly introduction to major writers, works, and literary forms through the 13th century. Also includes bibliographical background and readings in primary texts.

Note: Expected to be given in 2002–03.

Prerequisite: One year of literary Chinese.

[Chinese Literature 201b. History of Chinese Literature: 900-1900]

Catalog Number: 1760

Wilt Lukas Idema

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

This course is a continuation of Chinese Literature 201a, History of Chinese Literature, Beginnings through Song, taught by Prof. Stephen Owen. The course aims to provide 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 2002–03.

[Chinese Literature 208. Readings in Buddhist *Bianwen* and Related Dunhuang Materials]

Catalog Number: 0743

Wilt Lukas Idema and Robert M. Gimello

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

Basing ourselves on modern critical editions and photographic reproductions of the original manuscripts we will read a selection of the prosimetrical and poetical texts on Buddhist subjects that were discovered at Dunhuang and date from the Tang and Five Dynasties periods. The aim is to achieve a better understanding of the forms and topics of “popular” Buddhism at the time.

Note: Expected to be given in 2002–03.



[Chinese Literature 220. Modern Chinese Literary History: Proseminar]

Catalog Number: 2144

Leo Ou-Fan Lee

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

The historical background, scholarly sources, and analytical approaches in the study of modern Chinese literature.

Note: Expected to be given in 2002–03.

Prerequisite: Command of modern Chinese.

Chinese Literature 222. The Long Twentieth Century: Seminar in Modern Chinese Literature

Catalog Number: 4301

Eileen Cheng-yin Chow

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

An introductory graduate seminar on the so-called “long twentieth century” of modern Chinese literature, from the late Qing to the present, with emphasis on the urban and the popular (*tongsu*).

Prerequisite: Advanced command of modern Chinese, ability to read a heterogeneous range of texts (vernacular, semi-classical, ‘new’) in the original.

[Chinese Literature 224r. Topics in Modern Chinese Literature]

Catalog Number: 4997

Leo Ou-Fan Lee

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

Studies of urban literature in Shanghai.

Note: Expected to be given in 2002–03.

Prerequisite: Advanced command of modern Chinese.

[Chinese Literature 225. Visual Evidence]

Catalog Number: 7222

Eileen Cheng-yin Chow

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

Through a broad reading of literary texts and investigations into visual practices (theatre, pictorial press, advertising, early cinema), this course explores the interactions of social context, technology, and culture in late Qing and Republican China, and asks what role material media plays in changing epistemological formations, and in the definition of the “modern” in Chinese literature. Topics: cultures of leisure and play *youxi*; theoretical and methodological issues related to the field; cultural vs. historical modes of reading and perception; canon formation and popular fiction; and what constitutes “the archive” for popular cultural studies.

Note: Expected to be given in 2002–03.

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-ye Li

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

This course will be devoted to 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 aspects of the Chinese tradition, paying special attention to various contexts of Ming-Qing literary and cultural history.

Note: Expected to be given in 2002–03.

[Chinese Literature 227. Early Chinese Historiography: Seminar]

Catalog Number: 3773

Wai-yee Li

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

We will study *Zuozhuan* and *Shiji* and ponder early Chinese conceptions of history by examining rhetorical and narrative modes. The focus will be problems of interpretation, that is, how these texts represent the possibilities and limits of historical knowledge, the roles and functions of interpreters, and the evolution and disintegration of interpretive structures.

Note: Expected to be given in 2002–03.

Prerequisite: Reading knowledge of classical Chinese is required.

[Chinese Literature 228. Asian Modernities: An Introduction to Critical and Cultural Theories]

Catalog Number: 7357

Eileen Cheng-yin Chow

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

This course looks at the place of theory and criticism in the study of ‘Asia’ in the academy today. We will 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 2002–03. Graduate seminar; qualified undergraduates may enroll with permission of instructor. Knowledge of one Asian literary or cultural tradition helpful.

[Chinese Literature 230. The Vernacular Short Story (*huaben xiaoshuo*); Historical and Critical Approaches]

Catalog Number: 6268

Wilt Lukas Idema

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

This course will deal with the development of the vernacular short story, focusing on Feng Menglong’s *Sanyan* (1620-1627), a compilation of 120 stories old and new. We will also have a look at the vernacular narratives of the Tang as found in Dunhuang and follow the development of the genre throughout the 17th and 18th centuries.

Note: Expected to be given in 2003–04.

Chinese Literature 231. Late-Ming Literature and Culture

Catalog Number: 2770

Wai-yee Li

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

The seminar will survey a range of writings from the second half of the sixteenth century until



the fall of the Ming dynasty, including prose (ancient style prose and “informal essays”), poetry, drama, and fiction. We will examine various aspects of late-Ming literary-aesthetic sensibility (and question how such a category may be justified in the first place).

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). M., 1–4. EXAM GROUP: 6, 7, 8

In this seminar we will study representative works in early Qing literature, covering a range of genres, including prose, poetry, fiction, and drama. The focus will be on the memory and representation of the fall of the Ming dynasty in early Qing literature. We will also explore how this preoccupation merges and co-exists with other trends and developments in this period.

Prerequisite: Reading knowledge of classical and pre-modern vernacular Chinese required.

[Chinese Literature 251. Readings in Liaozhai Zhiyi]

Catalog Number: 6657

Wilt Lukas Idema

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

Examines stories from Pu Song Ling’s masterwork, focusing on development of the text. We will compare the author’s handwritten copy to later manuscripts and the earliest printed versions, and examine annotated editions and adaptations.

Note: Expected to be given in 2003–04.

[Chinese Literature 255. Readings in Yuan Drama]

Catalog Number: 3239

Wilt Lukas Idema

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

The course will focus on plays that portray poets during a critical moment in their career. Various stages in the development of the zaju text will be covered. The differences between the various editions will be discussed in relation to the changing needs of the uses of the texts.

Note: Expected to be given in 2002–03.

[Chinese Literature 267r. Topics in Tang Literature]

Catalog Number: 8521

Stephen Owen

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

The topic this term will be the late Tang.

Note: Expected to be given in 2002–03.

Chinese Literature 268r. Topics in Song and Yuan Literature

Catalog Number: 7143

Stephen Owen

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

The topic this term will be the Northern Song.



[Chinese Literature 269r. Topics in Ming and Qing Classical Literature]

Catalog Number: 5882

Stephen Owen

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

Note: Expected to be given in 2002–03.

Cross-listed Courses

[Anthropology 296r. Chinese Social Anthropology: Seminar](#)

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

[History of Art and Architecture 287x. Methods and Resources for the Study of Chinese Painting and Calligraphy](#)

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

Graduate Courses of Reading and Research

***Chinese 300. Reading and Research**

Catalog Number: 4849

Peter K. Bol 8014 (on leave 2002-2003), Eileen Cheng-yin Chow 2308 (on leave 2002-2003), Robert M. Gimello 9240, Patrick D. Hanan 1413, Baozhang He 3351, Wilt Lukas Idema 2511 (on leave 2001-02), Philip A. Kuhn 8051, Leo Ou-Fan Lee 3299 (on leave 2001-02), Wai-yee Li 3357 (on leave 2002-03), Stephen Owen 7418 (on leave 2002-2003), Michael James Puett 1227, Paul Rouzer 3705, Xiaofei Tian Owen 3746, Wei-Ming Tu 7233, and Endymion Porter Wilkinson 4049

Japan: Language Courses

For Undergraduates and Graduates

[*Japanese Aab. Intensive Elementary Japanese](#)

Catalog Number: 1910

Yori Oda

Full course (fall term). M. through F., at 9; M. through F., at 11. EXAM GROUP: 2, 11

Introduction to modern Japanese: listening, speaking, reading, and writing skills. Mastery of hiragana, katakana, and approximately 150 Chinese characters.

[Japanese Ba. Elementary Japanese](#)

Catalog Number: 2014

Satomi Matsumura

Half course (fall term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 6

Introduction to modern Japanese: listening, speaking, reading, and writing skills. Mastery of hiragana, katakana, and approximately 100 Chinese characters.



Japanese Bb. Elementary Japanese

Catalog Number: 8728

Satomi Matsumura

Half course (spring term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 6

Continuation of Japanese Ba. Approximately 150 additional Chinese characters.

Prerequisite: Japanese Ba or equivalent.

Japanese 101a. Intermediate Japanese

Catalog Number: 8152

Satoru Ishikawa

Half course (fall term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2

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 700 Chinese characters beyond those introduced in Bab.

Prerequisite: Japanese Bb or equivalent.

Japanese 101b. Intermediate Japanese

Catalog Number: 6433

Satoru Ishikawa

Half course (spring term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2

Continuation of Japanese 101a.

***Japanese 102ab. Intensive Intermediate Japanese**

Catalog Number: 7228

Yori Oda

Full course (spring term). M. through F., at 9; M. through F., at 11. EXAM GROUP: 2, 11

Intermediate level course aimed at the mastery of basic grammatical patterns and at consolidating previously learned patterns and vocabulary to a much more sophisticated level. Aural, oral, reading, and writing skills are equally emphasized.

Prerequisite: Japanese Aab, Bb, or equivalent.

Japanese 103a. Modern Written Japanese

Catalog Number: 4855

Itsuko Nakamura

Half course (fall term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2

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 700 additional Chinese characters beyond those introduced in 101ab.

Prerequisite: Japanese 101b or equivalent.



Japanese 103b. Modern Written Japanese

Catalog Number: 6904

Itsuko Nakamura

Half course (spring term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III:

M., W., F., at 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2, 3, 6

Continuation of Japanese 103a.

Japanese 104a. Advanced Modern Japanese

Catalog Number: 3688

Yuko K. Hunt Hunt

Half course (fall term). Section I: M. through F., at 9; Section II: M. through F., at 10. EXAM

GROUP: 2, 11

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 103b.

Japanese 104b. Advanced Modern Japanese

Catalog Number: 8551

Yuko K. Hunt Hunt

Half course (spring term). Section I: M. through F., at 9; Section II: M. through F., at 10. EXAM

GROUP: 2, 11

Continuation of Japanese 104a.

Japanese 106a. Classical Japanese

Catalog Number: 1492

Royall Tyler

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

Introduction to classical grammar and texts in classical Japanese.

Prerequisite: Japanese 103b.

[Japanese 106b. Kambun]

Catalog Number: 2602

Edwin A. Cranston

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

Introduction to *Kambun*.

Note: Expected to be given in 2002–03.

Prerequisite: Japanese 106a or equivalent.

Japanese 106c. Later Classical Japanese

Catalog Number: 7307

Royall Tyler

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

Post-Heian writings in Classical Japanese.

Prerequisite: Japanese 106a or equivalent.



Japanese 107. Japanese Historical Writing

Catalog Number: 1293

Harold Bolitho

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

An introduction to historical source materials from the Tokugawa period (1600-1868).

Japanese 110a. Readings in the Social Sciences

Catalog Number: 4693

Yuko K. Hunt Hunt

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Selected readings in contemporary Japanese on topics in economics, sociology, political science, psychology, and cultural studies, supplemented by selections from audiovisual media on current social issues. Discussions in Japanese on related topics. Composition and oral presentation of opinion and research papers.

Note: Conducted in Japanese.

Prerequisite: Japanese 104b.

Japanese 110b. Readings in the Social Sciences

Catalog Number: 0984

Yuko K. Hunt Hunt

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Continuation of Japanese 110a.

Prerequisite: Japanese 110a.

Cross-listed Courses

Linguistics 173. Linguistic Issues in the Teaching of Japanese

[Linguistics 174. Tense and Aspect in Japanese]

[Linguistics 175. Structure of Japanese]

[Linguistics 176. History of the Japanese Language]

Primarily for Graduates

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 1 1/2 hours to be arranged. EXAM GROUP: 2

Development of skills in reading and translating academic genres of Japanese, with special attention to secondary sources authored by Japanese scholars on topics of relevance to Chinese and Korean studies. Introduction to old kana usage and classical forms commonly used in scholarly writing.

Prerequisite: Japanese 101b, and graduate standing in some field of Chinese or Korean studies.

Japanese 209b. Reading Academic Japanese for Students of Chinese and Korean

Catalog Number: 8918



Wesley M. Jacobsen

Half course (spring term). M., W., F., at 9 and an additional 1 1/2 hours to be arranged. EXAM GROUP: 2

Continuation of Japanese 209a.

Prerequisite: Japanese 209a.

Japanese 211 (formerly Japanese 311). Materials and Methods of Japanese Studies: Proseminar

Catalog Number: 0987

Harold Bolitho

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

Bibliography and techniques of research in Japanese studies.

Japan: History Courses

For Undergraduates and Graduates

[Japanese History 111a. The Early History of Japan: Conference Course]

Catalog Number: 3616

Mikael Adolphson

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

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 2002–03.

Japanese History 111b. The Shogun's Realm, 1600–1868: Conference Course

Catalog Number: 2552

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 and cultural developments from the late 16th to the mid-19th century.

Japanese History 116a. History of Japanese Religions: Conference Course

Catalog Number: 0675

Helen Hardacre

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

A historical overview of Japanese religions from earliest times to 1600.

Note: Jointly offered with the Divinity School as 3522.

Japanese History 116b. History of Japanese Religions: Conference Course

Catalog Number: 2712

Helen Hardacre

Half course (spring term). M., 1–3.



A historical survey of Japanese religions from 1600 to the present.

Note: Jointly offered with the Divinity School as 3523.

[Japanese History 119. From Gods to Sovereigns: The History and Historiography of Early Japan]

Catalog Number: 2510

Mikael Adolphson

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

A seminar focusing on important themes and problems based on both translated primary sources and appropriate scholarly works of early Japan from the emergence of the first stratified societies to the high point of the ancient imperial state.

Note: Expected to be given in 2002–03.

Prerequisite: Japanese History 111a.

Cross-listed Courses

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

[\[Historical Study B-67. Japan's Modern Revolution\]](#)

[History 1851 \(formerly History 1851b\). 20th-Century Japan: Conference Course](#)

[\[History 1854. Gender and Japanese History: Conference Course\]](#)

[\[History of Art and Architecture 18g. Introduction to the Art and Architecture of Japan\]](#)

[History of Art and Architecture 189x. Constructions of Tradition in Modern Japan: Architecture and Art 1868-1968](#)

[Literature and Arts C-42. Constructing the Samurai](#)

Primarily for Graduates

[Japanese History 211. Sources and Methods of Ancient and Medieval Japan]

Catalog Number: 8174

Mikael Adolphson

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

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.

Note: Expected to be given in 2002–03.

Prerequisite: Knowledge of classical Japanese and Kambun.

Cross-listed Courses

[*History 2851. Japanese History: Seminar](#)

[\[History 2852. Topics in Modern Japanese History: Proseminar\]](#)

[\[History 2854. Issues in Tokugawa and Meiji History: Seminar\]](#)

Japan: Literature Courses



Please visit the following web site for the latest information on the courses listed below: www.fas.harvard.edu/ealc

For Undergraduates and Graduates

[Japanese Literature 108. Modern Japanese Fiction]

Catalog Number: 7960

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

Close reading of modern short stories, with attention to narrative techniques, intertextuality and rhetorical devices. Translation of the primary readings to be assigned for each session.

Note: Expected to be given in 2002–03. Taught in Japanese.

Prerequisite: Japanese 103b or equivalent.

Japanese Literature 121a. History of Japanese Literature

Catalog Number: 5891

Adam Kern

Half course (fall term). Hours to be arranged. EXAM GROUP: 4

A survey of traditional Japanese literature before the modern era of Western influence.

Japanese Literature 121b. Modern Japanese Literature

Catalog Number: 1069

Jay Rubin

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Reading and discussion of major modern Japanese novels in English translation.

Japanese Literature 133. The Tale of Genji

Catalog Number: 7970

Royall Tyler

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

Discussion and analysis of *The Tale of Genji* in the new Tyler translation, with attention also to issues in the reception of the tale.

Japanese Literature 140. Edo Popular Culture

Catalog Number: 9359

Adam Kern

Half course (fall term). Hours to be arranged. EXAM GROUP: 6

Explores the cross-fertilizations of the literary, dramatic, and visual arts during the cultural efflorescence of the early modern period. Texts include various genres of popular narrative, erotica, woodblock prints, advertisements, humorous verse, prose poetry, kabuki, puppet plays, and comic storytelling. Japanese useful but not required.

Cross-listed Courses



[History of Art and Architecture 18g. Introduction to the Art and Architecture of Japan]
[Literature and Arts A-76. Five Japanese Portraits](#)
[Literature and Arts C-42. Constructing the Samurai](#)

Primarily for Graduates

[Japanese Literature 215. Early Modern Japanese Literature]

Catalog Number: 1988

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

This text examines the literary texts from post-Genroku (early 18th century) until late Meiji (early 20th century), with the focus on quasi-classical Japanese (gi-kobun and kanbun kakikududashi). Texts to be read and discussed include giko monogatari, yomihon, kiko, karon, and hon'yaku bungaku.

Note: Expected to be given in 2002–03.

Prerequisite: Japanese 106a and 106b, or the instructor's permission.

[Japanese Literature 220r. The Development of Modern Japanese Fiction](#)

Catalog Number: 1831

Jay Rubin

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Reading and discussion of major works of prose fiction with practice in literary translation.

[Japanese Literature 222a. Survey of Japanese Poetry]

Catalog Number: 4226

Edwin A. Cranston

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

The tradition of *waka* poetry from its origins to the 15th century.

Note: Expected to be given in 2003–04.

Prerequisite: Japanese 106a or equivalent.

[Japanese Literature 222b. Survey of Japanese Poetry]

Catalog Number: 2311

Edwin A. Cranston

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

The development of *renga*, *haikai*, and *haiku* to the 18th century.

Note: Expected to be given in 2002–03.

Prerequisite: Japanese 106a or equivalent.

[Japanese Literature 233r. Nara and Heian Court Literature](#)

Catalog Number: 8614

Royall Tyler

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Topic: Genji Monogatari.

Prerequisite: Japanese 106a or equivalent.



Japanese Literature 235. No and Kyogen

Catalog Number: 0869

Jay Rubin

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Close reading of No and Kyogen texts.

Japanese Literature 241. Comic Imagination in Japanese Literature

Catalog Number: 2732

Adam Kern

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

This course explores the indefatigable Japanese comic imagination in its multifarious manifestations (humor, wit, satire, irony, parody, burlesque, literary Nonsense, anecdotes, jokes and so on) in a variety of genres from the classical to early modern periods.

Prerequisite: Japanese 106a and 106b, or the instructor's permission.

Graduate Courses of Reading and Research

***Japanese 300. Reading and Research**

Catalog Number: 4627

Mikael Adolphson 1878 (on leave 2001-02), Harold Bolitho 1176, Edwin A. Cranston 1186 (on leave 2001-02), Andrew Gordon 1891 (on leave 2002-03), Helen Hardacre 3191 (on leave spring term), Wesley M. Jacobsen 3443, Adam Kern 4195, Satomi Matsumura 2665, Yori Oda 2460, Joan R. Piggott 4062, Jay Rubin 3544, and Royall Tyler 4142

Cross-listed Courses

Historical Study A-14. Japan: Tradition and Transformation

***History 2851. Japanese History: Seminar**

[History 2852. Topics in Modern Japanese History: Proseminar]

[Linguistics 174. Tense and Aspect in Japanese]

[Linguistics 175. Structure of Japanese]

Korea: Language Courses

For Undergraduates and Graduates

Korean Ba. Elementary Korean for True Beginners

Catalog Number: 8739

Jiha Hwang

Half course (fall term). Tu., Th., at 10; M., W., F., at 10; M., W., F., at 11; M., W., F., at 2; M., W., F., at 3. EXAM GROUP: 12

Designed for students with no previous background in Korean. 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

Jiha Hwang

Half course (spring term). Tu., Th., at 10; M., W., F., at 10; M., W., F., at 11; M., W., F., at 12; M., W., F., at 2, and three additional hours to be arranged. EXAM GROUP: 12

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). Tu., Th., at 9; M., W., F., at 10; M., W., F., at 11; M., W., F., at 12; M., W., F., at 3. EXAM GROUP: 11

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). Tu., Th., at 9; M., W., F., at 11; M., W., F., at 12, and three additional hours to be arranged. EXAM GROUP: 11

Continuation of Korean Bxa.

Korean 102a. Intermediate Korean

Catalog Number: 5884

Sang-suk Oh

Half course (fall term). M., W., F., at 3; Tu., Th., at 10; Tu., Th., at 12; Tu., Th., at 1, and two additional hours to be arranged. EXAM GROUP: 8

Continuation of elementary Korean to consolidate the student's 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. Approximately 250 Chinese characters are introduced. After successful completion of second-year Korean, students are expected to be able to handle most uncomplicated communicative tasks and social situations and read consistently with full understanding simple connected texts dealing with personal and social needs.

Prerequisite: Korean Bb or equivalent.

Korean 102b. Intermediate Korean

Catalog Number: 8590

Sang-suk Oh

Half course (spring term). M., W., F., at 2; and Tu., Th., at 10 or 11. EXAM GROUP: 7

Continuation of Korean 102a. Introduction of approxiamtely 200-250 Chinese characters beyond



those introduced in Korean 102a.

Prerequisite: Korean 102a or equivalent.

Korean 103a. Pre-advanced Korean (formerly offered as “Advanced Korean”)

Catalog Number: 2071

Jiha Hwang

Half course (fall term). Tu., Th., 2–4; Tu., Th., at 11; Tu., Th., at 1. EXAM GROUP: 16, 17

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 102b or equivalent.

Korean 103b (formerly “Advanced Korean”). Pre-advanced Korean

Catalog Number: 2662

Jiha Hwang

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

Continuation of Korean 103a.

Prerequisite: Korean 103a or equivalent.

Korean 104a (formerly “Readings in Contemporary Korean”). Advanced Korean

Catalog Number: 5723

Jiha Hwang

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

Development of skills in reading authentic 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 a broad variety of everyday, school, and work situations and follow essential points of written discourse which are abstract and linguistically complex, and also be able to write about a variety of topics in detail with significant precision.

Prerequisite: Korean 103b or equivalent.

Korean 104b (formerly “Readings in Contemporary Korean”). Advanced Korean

Catalog Number: 3011

Jiha Hwang

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

Continuation of Korean 104a.

Prerequisite: Korean 104a or equivalent.

Korean 110a. Readings in Cultural Studies

Catalog Number: 1936

Jiha Hwang

Half course (fall term). M., 3:30–5:30. EXAM GROUP: 8, 9

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 110a and 110b, 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 104b or equivalent.

Korean 110b. Readings in Cultural Studies

Catalog Number: 1282

Jiha Hwang

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

Continuation of Korean 110a.

Prerequisite: Korean 104b or equivalent.

[Korean 111a. Readings in Social Sciences]

Catalog Number: 1412

Jiha Hwang

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

Selected readings in contemporary Korean on topics in sociology, economics, political science, and psychology, supplemented by selections from audio-visual media on current social issues.

After completion of Korean 111a and 111b, 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.

Note: Expected to be given in 2002–03.

Prerequisite: Korean 104b or equivalent.

[Korean 111b. Readings in Social Sciences]

Catalog Number: 7409

Jiha Hwang

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

Continuation of Korean 111a.

Note: Expected to be given in 2002–03.

Prerequisite: Korean 104b or equivalent.

Korea: History Courses

For Undergraduates and Graduates

Korean History 111. Traditional Korea

Catalog Number: 3709

Sun Joo Kim

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

Survey of the history of Korea, from earliest times to the 19th century. Examines various interpretive approaches and traces developments of political, social, economic, intellectual, cultural, and diplomatic history.



Korean History 114. Modern Korea

Catalog Number: 7090

Carter J. Eckert

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

Survey of modern Korea from the late 19th century to the present. Emphasis on nation-building, as well as social, economic, and cultural continuity and change in the context of imperialism, colonialism, national division, the Cold War, and globalization.

Note: No prior course work in Korean History is presumed.

Korean History 118. History of the Chosôn Dynasty: Conference Course

Catalog Number: 3231

Sun Joo Kim

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Examines social, political, and economic changes in Korea from the 14th through the 19th centuries by reviewing major scholarship in the field.

Cross-listed Courses

Foreign Cultures 80. The Cultural Identities of Modern Korea

Primarily for Graduates

Korean History 230r. Social History of the Chosôn Dynasty

Catalog Number: 4497

Sun Joo Kim

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

Readings of selected primary sources and secondary works on the social history of Chosôn. Particular attention will be paid to women's life, family, and local society.

Prerequisite: Korean History 111 or equivalent and reading proficiency in Korean. Reading ability in classical Chinese helpful.

[*Korean History 253r. Topics in Modern Korean History: Proseminar]

Catalog Number: 7309

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

A survey of the political, diplomatic, economic, and cultural relationship between Korea and the United States from the mid-19th century to the present, with a special emphasis on immigration and the formation of a Korean-American community.

Note: Expected to be given in 2002–03.

Prerequisite: Korean History 114 or equivalent.

***Korean History 255r. Modern Korean History: Seminar**

Catalog Number: 0713

Carter J. Eckert

Full course. Tu., 2–4. EXAM GROUP: Fall: 7, 8; Spring: 16, 17

Reading and research in modern Korean history. Students are required to write a project paper



based largely on primary materials.

Prerequisite: Korean History 253r or equivalent, and reading proficiency in Korean.

[Korean History 260r. Readings in Modern Korean History]

Catalog Number: 5372

Carter J. Eckert

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

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 2002–03.

Korea: Literature Courses

For Undergraduates and Graduates

[Korean Literature 132. Korean Literature in Translation]

Catalog Number: 7838

David McCann

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

A survey of Korean literature in translation, 7th century to the 20th century.

Note: Expected to be given in 2002–03.

Cross-listed Courses

[Foreign Cultures 80. The Cultural Identities of Modern Korea](#)

Primarily for Graduates

[Korean Literature 210r (formerly Korean Literature 210). Pre-Modern Korean Literature]

Catalog Number: 6342

David McCann

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

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 2002–03.

Prerequisite: Korean Literature 132 or equivalent.

[Korean Literature 212. Modern Korean Poetry](#)

Catalog Number: 5627

David McCann

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

Major and minor voices in 20th-century Korean poetry. Attention to the practices of reading and translation, and to the political contexts of modern Korean poetry.

Prerequisite: Korean Literature 132 or equivalent.



Graduate Courses of Reading and Research

***Korean 300. Reading and Research**

Catalog Number: 8122

Carter J. Eckert 1178, Jiha Hwang 2861, Sun Joo Kim 3821, and David McCann 3635

Manchu: Language Courses

For Undergraduates and Graduates

[Manchu A (formerly Manchu Aa). Elementary Manchu]

Catalog Number: 8961

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

Introduction to Manchu grammar with elementary readings in Manchu script.

Note: Expected to be given in 2002–03.

[Manchu B (formerly Manchu 103). Advanced Manchu]

Catalog Number: 1625

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

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 2002–03.

Manchu C. Advanced Manchu

Catalog Number: 4190

James Evert Bosson (University of California, Berkeley)

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

Readings in a wide variety of Manchu texts. English to Manchu translation exercises.

Manchu D. Advanced Manchu

Catalog Number: 1414

James Evert Bosson (University of California, Berkeley)

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

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 210. Introduction to Sources for Manchu Studies]

Catalog Number: 6640

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

This course introduces a range of Manchu and Chinese texts used for research in Manchu studies. After reviewing the history and present state of Manjuristics, we will consider different



source materials each week. Students will present oral reports and write a bibliographic essay on a topic of potential research interest.

Note: Expected to be given in 2002–03.

Prerequisite: Ability in literary Chinese, background in Qing history. Reading ability in Manchu and/or Japanese strongly preferred but not required.

Graduate Courses of Reading and Research

***Manchu 300. Reading and Research**

Catalog Number: 8735

James Evert Bosson (University of California, Berkeley) 2350

Mongolian: Language Courses

For Undergraduates and Graduates

Mongolian A (formerly Mongolian Aa). Elementary Written Mongolian

Catalog Number: 2965

James Evert Bosson (University of California, Berkeley)

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

Study of classical Mongolian grammar, with introduction to pre-classical and classical Mongolian texts.

Mongolian B (formerly Mongolian 101a). Advanced Written Mongolian

Catalog Number: 8489

James Evert Bosson (University of California, Berkeley)

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

Readings in classical Mongolian texts.

Graduate Courses of Reading and Research

***Mongolian 300. Reading and Research**

Catalog Number: 1345

James Evert Bosson (University of California, Berkeley) 2350

Half course (fall term; repeated spring term). Hours to be arranged.

Tibetan and Himalayan Studies

Cross-listed Courses

[Tibetan 205a. Readings in Bilingual Tibetan-Mongol Buddhist Literature]

[Tibetan 205b. Readings in Bilingual Tibetan-Mongol Buddhist Literature]

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. Introduction of Vietnamese texts and advertisements to enhance reading skills.

Prerequisite: Vietnamese Ba or permission of the instructor.

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 101b. Intermediate Vietnamese

Catalog Number: 6178

Binh Ngo

Half course (spring term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Vietnamese 101a.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 101a or permission of the instructor.

Vietnamese 103a. Advanced Vietnamese

Catalog Number: 6287

Binh Ngo

Half course (fall term). M., W., F., at 11, and two additional hours to be arranged. 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 101b or permission of the instructor.



Vietnamese 103b. Advanced Vietnamese

Catalog Number: 3968

Binh Ngo

Half course (spring term). M., W., F., at 11, and two additional hours to be arranged. EXAM GROUP: 4

Continuation of Vietnamese 103a.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 103a 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

[History 2821. Readings in Vietnamese History]

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

Oliver S. Hart, Andrew E. Furer Professor of Economics (*Chair*)

Philippe Aghion, Professor of Economics (*on leave 2002-03*)

Alberto F. Alesina, Professor of Economics and of Government (*on leave 2002-03*)

Beatriz Armendariz de Aghion, Lecturer on Economics

Robert J. Barro, Robert C. Waggoner Professor of Economics

Laurent E. Calvet, Associate Professor of Economics (*on leave 2002-03*)

John Y. Campbell, Otto Eckstein Professor of Applied Economics

Francesco Caselli, Associate Professor of Economics

Richard E. Caves, Nathaniel Ropes Professor of Political Economy



Gary Chamberlain, Professor of Economics
 Richard N. Cooper, Maurits C. Boas Professor of International Economics
 David M. Cutler, Professor of Economics
 Martin Feldstein, George F. Baker Professor of Economics
 Christopher L. Foote, Associate Professor of Economics
 Richard B. Freeman, Herbert S. Ascherman Professor of Economics
 Benjamin M. Friedman, William Joseph Maier Professor of Political Economy
 Drew Fudenberg, Professor of Economics
 Edward L. Glaeser, Professor of Economics
 Claudia Goldin, Henry Lee Professor of Economics (*on leave 2001-02*)
 Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy (*on leave spring term*)
 Jinyong Hahn, Visiting Associate Professor of Economics (*Brown University*) (*spring term only*)
 Elhanan Helpman, Professor of Economics
 Caroline M. Hoxby, Professor of Economics (*on leave 2002-03*)
 Dale W. Jorgenson, Frederic E. Abbe Professor of Economics
 Lawrence F. Katz, Professor of Economics (*on leave 2001-02*)
 Janos Kornai, Allie S. Freed Professor of Economics (*on leave fall term*)
 Michael Robert Kremer, Professor of Economics (*on leave spring term*)
 Rafael La Porta, Associate Professor of Economics
 David I. Laibson, Professor of Economics
 Judith Li, Assistant Professor of Economics
 N. Gregory Mankiw, Professor of Economics (*on leave spring term*)
 Stephen A. Marglin, Walter S. Barker Professor of Economics
 James L. Medoff, Meyer Kestenbaum Professor of Labor and Industry (*FAS and Kennedy School*)
 Angelo Melino, Visiting William Lyon MacKenzie King Professor of Canadian Studies (*University of Toronto*)
 Marc J. Melitz, Assistant Professor of Economics
 Markus M. Möbius, Assistant Professor of Economics
 Julie Holland Mortimer, Assistant Professor of Economics
 Michael P. Murray, Visiting Professor of Economics (*Bates College*)
 Robert H. Neugeboren, Lecturer on Economics
 Ariel Pakes, Professor of Economics (*on leave fall term*)
 Dwight H. Perkins, Harold Hitchings Burbank Professor of Political Economy
 Jack R. Porter, Associate Professor of Economics (*on leave 2001-02*)
 Ashok S. Rai, Lecturer on Economics
 Kenneth Rogoff, Professor of Economics (*on leave 2001-02*)
 Alvin E. Roth, George Gund Professor of Economics and Business Administration
 Jeffrey D. Sachs
 Emmanuel Saez, Assistant Professor of Economics (*on leave 2001-02*)
 Michael A. Schwarz, Assistant Professor of Economics
 Andrei Shleifer, Professor of Economics (*on leave 2002-2003*)
 Jeremy C. Stein, Professor of Economics
 Lawrence Henry Summers, Professor of Economics (*President of Harvard University*)
 Samuel B. Thompson, Assistant Professor of Economics



Tuomo O. Vuolteenaho, Assistant Professor of Economics
Martin L. Weitzman, Ernest E. Monrad Professor of Economics
Jeffrey G. Williamson, Laird Bell Professor of Economics (*Director of Undergraduate Studies*)
Jeffrey Wolcowitz, Senior Lecturer on Economics and Associate Dean for Undergraduate Education
Oved Yosha, Visiting Associate Professor of Economics (*Tel-Aviv University*)

Other Faculty Offering Instruction in the Department of Economics

Christopher N. Avery, Associate Professor of Public Policy (*Kennedy School*)
Robert H. Bates, Eaton Professor of the Science of Government
Lucian Arye Bebchuk, William J. Friedman and Alicia Townsend Friedman Professor of Law, Economics, and Finance (*Law School*)
George Carl Chacko, Assistant Professor of Business Administration (*Business School*)
Randolph B. Cohen, Assistant Professor of Business Administration (*Business School*)
Mihir A. Desai, Assistant Professor of Business Administration (*Business School*)
Jeffrey A. Frankel, James W. Harpel Professor of Capital Formation and Growth (*Kennedy School*)
Paul Gompers, Associate Professor of Business Administration (*Business School*)
William C. Hsiao, K. T. Li Professor of Economics (*Public Health*)
Louis E. Kaplow, Professor of Law (*Law School*)
Asim Ijaz Khwaja, Assistant Professor of Public Policy (*Kennedy School*)
Joshua Lerner, Professor of Business Administration (*Business School*)
Jeffrey B. Liebman, Associate Professor of Public Policy (*Kennedy School*)
Nolan H. Miller, Assistant Professor of Public Policy (*Kennedy School*)
Robert H. Mnookin, Samuel Williston Professor of Law (*Law School*)
Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Medical School, Public Health*)
Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
James K. Sebenius, Gordon Donaldson Professor of Business Administration (*Business School*)
Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)
James H. Stock, Professor of Economics
Andres Velasco, Sumitomo Fasid Professor of International Development (*Kennedy School*)
Luis Manuel Viceira, Assistant Professor of Business Administration (*Business 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 and Senior Research 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: Comparative Systems; Economic History; Development



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.

Tutorials and Senior Research Seminars in Economics

Primarily for Undergraduates

***Economics 910r. Supervised Reading and Research**

Catalog Number: 1020

Jeffrey G. Williamson and members of the Department

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. Requires signatures of the adviser and of the Director of Undergraduate Studies. Application available at the Economics Undergraduate Office at 20 Garden Street.

***Economics 970. Tutorial — Sophomore Year**

Catalog Number: 7923 Enrollment: Limited to concentrators.

Jeffrey G. Williamson, Christopher L. Foote, and members of the Department

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

A series of small seminars focusing on applications of economic theory to real problems.

Note: One term required of all Economics concentrators.

Prerequisite: Both terms of Social Analysis 10; Statistics 100; Economics 1010a or 1011a; and current enrollment in Economics 1010b or 1011b.



***Economics 980r. Tutorial — Junior Year**

Catalog Number: 3281

Jeffrey G. Williamson and members of the Department

Half course (fall term). W., 7–9:30 p.m. EXAM GROUP: 9

A thorough review of intermediate microeconomics and macroeconomics.

Note: Required of and limited to concentrators who received below a B-/C+ average in the Economics 1010/1011 sequence.

Economics 985 Senior Research 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. The major course requirement is an original research paper each semester. 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 12 students.

***Economics 985a. Research in Microeconomics**

Catalog Number: 7166

Michael A. Schwarz

Full course. M., 4–6.

Research seminar for seniors writing theses in theoretical and applied microeconomics. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

[*Economics 985b. Research in Industrial Organization and Regulation]

Catalog Number: 8180

Full course. Hours to be arranged.

Research seminar examining the major issues and approaches in the economics of industrial organization and regulation. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

Note: Expected to be given in 2002–03.

***Economics 985c. Research in Labor Economics**

Catalog Number: 5409

Christopher L. Foote

Full course. Tu., 2–4.

Senior thesis research seminar 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

Michael P. Murray (Bates College)



Full course. Fall: Th., 2:30–4:30; Spring: M., 1–2:30. EXAM GROUP: Fall: 16, 17, 18; Spring: 6, 7

Workshop for seniors writing theses in the areas of economic history and economic development. Emphasis on choice of research topics, primary sources, data sources, and research methods. 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

Francesco Caselli

Full course. W., 2–4.

Provides intellectual support and constructive criticism for students involved in research in the fields of monetary and fiscal policy, business cycles, and economic growth. Initial meetings focus on finalizing research topics, data sources, and research methods. 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., 3:30–5:30. EXAM GROUP: 8, 9

Workshop for seniors writing theses in international trade and finance. Emphasis on choice of research topics, methodology, and international economic theory. 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

Tuomo O. Vuolteenaho

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 Finance**

Catalog Number: 0871

Judith Li

Full course. M., 2–4.

Research seminar for seniors writing theses in public finance. 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 G. Williamson 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 semester 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 Wolcowitz

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 the theory of the consumer, the 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.

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 10, and a one-hour weekly section to be arranged. EXAM GROUP: 3

Theory of determination of national income, employment, prices, and interest rates; related issues of economic growth, fluctuations, and inflation; monetary and fiscal policy.

Note: Economics 1010b fulfills the intermediate macroeconomic theory requirement for economics concentrators. Students may take either Economics 1010b or Economics 1011b for credit.

Prerequisite: Social Analysis 10. While no specific mathematics course is required, knowledge of calculus at the level of Mathematics 1a is assumed.

Economics 1011a. Microeconomic Theory

Catalog Number: 7230

Edward L. Glaeser

Half course (fall term). Tu., Th., 8:30–10, and a one-hour weekly section to be arranged. EXAM GROUP: 10, 11

Economics 1011a is similar to Economics 1010a, but uses more mathematics and covers more material. The course aims to teach 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.

Prerequisite: Social Analysis 10 and Mathematics 20 or 21a, or permission of the instructor.

Economics 1011b. Macroeconomic Theory

Catalog Number: 6993

Francesco Caselli

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.

Prerequisite: Social Analysis 10. While no specific mathematics course is required, Mathematics 20 or 21 is recommended.

Economics 1030. Psychology and Economics

Catalog Number: 4709

David I. Laibson and Andrei Shleifer

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

EXAM GROUP: 12, 13

Integrates psychological and economic analysis of behavior. Psychological topics include trust, vengeance, fairness, impatience, impulsivity, bounded rationality, learning, reinforcement, classical conditioning, loss-aversion, over-confidence, self-serving biases, cognitive dissonance, altruism, subjective well-being, hedonic adaptation, and marketing. Discusses how psychological experiments have been used to learn about preferences, cognition, and behavior. Economic topics include arbitrage, equilibrium, rational choice, utility maximization, Bayesian beliefs, and game theory. Integrates these psychological and economic concepts to understand numerous behavioral phenomena, such as credit card borrowing, portfolio choice, retirement saving, procrastination, addiction, asset pricing, auction bidding, labor supply, and cooperation.

Prerequisite: Economics 1010a or 1011a, and knowledge of multivariate calculus.

Economics 1050. Strategy, Conflict, and Cooperation

Catalog Number: 8506

Robert H. Neugeboren

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

An introduction to “the strategic way of thinking” and a primer on game theory with applications to economics and other social sciences. Topics include the prisoner’s dilemma and the arms race; dominance reasoning and the minimax theorem; mixed strategies and Nash equilibrium; bargaining and collective action; threats, promises, and negotiated games; and the evolution of



cooperation. No special mathematical preparation required.

Prerequisite: Social Analysis 10.

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 21b, or equivalent.

Economics 1055. Decisions and Negotiations

Catalog Number: 1191

Michael A. Schwarz

Half course (spring term). Tu., Th., 2–3:30, and a one-hour weekly section to be arranged.

EXAM GROUP: 16, 17

Considers a variety of applications ranging from evaluating capital expenditures to personal medical decisions. Topics range from mathematical models for representing uncertainty and behavioral aspects of decision making to negotiations and models of search.

Prerequisite: Economics 1010a or 1011a.

Primarily for Graduates

***Economics 2010a. Economic Theory**

Catalog Number: 8656

Jerry R. Green and Drew Fudenberg

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 restricted to students in the economics and business economics Ph.D. programs.

Prerequisite: Economics 2030 or equivalent; can be taken concurrently.

Economics 2010b. Economic Theory

Catalog Number: 8659

Laurent E. Calvet and Michael A. Schwarz

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 general equilibrium, the core, externalities and public goods, moral hazard, social choice theory, signaling, and mechanism design.

Prerequisite: Economics 2010a.



Economics 2010c. Economic Theory

Catalog Number: 2041

Benjamin M. Friedman, David I. Laibson, and N. Gregory Mankiw

Half course (fall term). Hours to be arranged. EXAM GROUP: 4, 5

A basic course in graduate macroeconomics, including models of business fluctuations, theories of consumption, investment, money demand, and analysis of monetary and fiscal policy.

Note: Enrollment is normally limited to students in the economics Ph.D. program, doctoral candidates in a few other designated programs, and well-qualified undergraduates.

Prerequisite: Economics 2030 or the equivalent; can be taken concurrently.

Economics 2010d. Economic Theory

Catalog Number: 4431

Alberto F. Alesina and Robert J. Barro

Half course (spring term). M., W., 12–1:30. EXAM GROUP: 5, 6

Topics include economic growth, theory of economic policy, fiscal policy, and macroeconomic theory for the open economy.

Prerequisite: Economics 2010c.

***Economics 2020a. Microeconomic Theory I**

Catalog Number: 0339 Enrollment: Limited to 102.

Jerry R. Green, 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: 2

The theory of microeconomic behavior. Consumption, production, uncertainty, markets, general equilibrium. Applications to policy analysis, business decisions, industrial organization, finance, the legal system. Emphasizes the use of economic theory in analyzing and understanding practical problems. This is a comprehensive course in economic theory designed for doctoral students in all parts of the university.

Note: Offered jointly with the Kennedy School as API-111 and the Business School as 4401.

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 the Business School as 4402.

Prerequisite: Economics 2010a or 2020a.

Economics 2025. Advanced Price Theory

Catalog Number: 2921

Martin L. Weitzman



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

First part: classical microeconomic theory at an advanced mathematical and conceptual level centered on the unifying concept of convexity. Second part: optimal control theory applied to growth, capital, national income accounting, sustainability, and depletion.

Prerequisite: Price theory at the level of what is covered in Economics 2010 or 2020.

Economics 2030. Mathematics and Optimization Theory for Economists

Catalog Number: 4976

Laurent E. Calvet

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

Covers all basic aspects of mathematics and optimization theory useful to Ph.D.-level economics. Topics include real analysis, functions of several variables, convex programming, duality theory, linear and non-linear programming, calculus of variations, and the maximum principle of optimal control theory. While each topic is treated rigorously, the emphasis is on economic applications.

Economics 2040. Experimental Economics

Catalog Number: 8485 Enrollment: Limited to 48.

Alvin E. Roth

Half course (fall term). F., 9–12. EXAM GROUP: 2, 3, 4

An introduction to experimental economics, its methods, and some of the major subject areas that have been addressed by laboratory experiments. Effort is made to concentrate on a series of experiments, in order to see how experiments build on one another and allow researchers with different theoretical dispositions to narrow the range of potential disagreement.

Note: Offered jointly with the Business School as 4257.

[Economics 2050. General Equilibrium Theory]

Catalog Number: 2279

Laurent E. Calvet

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

Develops the foundations of general equilibrium with an emphasis on financial markets. Topics include regularity and generic structure of equilibria, incomplete markets, default, informational efficiency and dynamic asset pricing.

Note: Expected to be given in 2002–03.

Economics 2052. Game Theory

Catalog Number: 3690

Drew Fudenberg

Half course (spring term). M., 4–6:30. EXAM GROUP: 9

Topics include noncooperative game theory, equilibrium analysis of incomplete information, dynamic and repeated games, economic applications, and introduction to non-equilibrium dynamics.

Prerequisite: Economics 2010a or permission of the instructor.



[Economics 2055. Negotiation and Dispute Resolution: Interdisciplinary Research Seminar]

Catalog Number: 3700

Jerry R. Green, Iris Bohnet (Kennedy School), Robert H. Mnookin (Law School), and James K. Sebenius (Business School)

Full course. Hours to be arranged.

Concerned with topics relating to bargaining, negotiation, and dispute resolution. Special emphasis on the effect of laws and the legal system. Uses the perspective of psychology and economics to study the barriers to negotiated resolution of conflict.

Note: Offered jointly with the Kennedy School as STM-277Y. Expected to be given in 2002–03.

Prerequisite: Permission of the instructors.

Economics 2056. Market Design

Catalog Number: 3634

Alvin E. Roth

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 and labor markets.

Note: Offered jointly with the Business School as 2150.

Economics 2060. Contract Theory

Catalog Number: 1404

Philippe Aghion and Oliver S. Hart

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

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 2075hf. Political Economy Research Seminar**

Catalog Number: 7645

Stephen A. Marglin

Half course (throughout the year). W., 10–12. EXAM GROUP: 3, 4

Economics 2076. Keynes and the 20th Century

Catalog Number: 4351

Stephen A. Marglin

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

Examines the impact of Keynes on economics and the economy, with special emphasis on alternative readings of the General Theory. Considers both the standard interpretation of Keynes as a theorist of the short run, which allowed the assimilation of Keynesian economics into the mainstream of American economics, and an alternative reading of Keynes as offering a vision of capitalism fundamentally at odds with the vision of neoclassical economics. Attention is paid both to theory and to the historical context in which the theory developed.

Economics 2086r (formerly Economics 3086r). The Theory Workshop

Catalog Number: 6378



Drew Fudenberg, Laurent E. Calvet, Jerry R. Green, Markus M. Möbius, Alvin E. Roth, and Michael A. Schwarz
Half course (fall term; repeated spring term). Th., 4–6.

Econometrics and Quantitative Methods

For Undergraduates and Graduates

Economics 1123. Applied Econometrics

Catalog Number: 0813

Michael P. Murray (Bates College) (fall term) and Samuel B. Thompson (spring term)
Half course (fall term; repeated spring term). Tu., Th., 1–2:30, and a one-hour weekly section to be arranged. EXAM GROUP: 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 natural 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., 2:30–4, and a one-hour weekly section to be arranged. EXAM GROUP: 16, 17

Reviews the elements of probability that are central to the statistical methods developed. This leads to the conditional expectation function. The role of multiple regression in drawing inferences from a sample about this population concept is developed. Empirical articles are discussed to illustrate this methodology. A key question is the extent to which the conditional expectation function can be given a causal interpretation. Empirical attempts by economists to isolate exogenous variation are discussed. Related methodology includes the use of longitudinal data and instrumental variables to control for selection bias.

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.

Cross-listed Courses

Statistics 100. Introduction to Quantitative Methods

Primarily for Graduates



Economics 2110 (formerly Economics 2110a). Introductory Probability and Statistics for Economists

Catalog Number: 7213

Samuel B. Thompson

Half course (fall term). Tu., Th., 8:30–10, and a 1.5-hour weekly section to be arranged. EXAM GROUP: 10, 11

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: Economics 2030 and Statistics 100 or equivalent.

Economics 2120. Introduction to Applied Econometrics

Catalog Number: 2352

Dale W. Jorgenson and Jinyong Hahn (Brown University) (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 2:30–4; Spring: Tu., Th., 1–2:30, and a 1.5-hour weekly section to be arranged each term. EXAM GROUP: Fall: 16, 17; Spring: 15, 16

Introduction to methods employed in applied econometrics, including linear regression, instrumental variables, generalized method of moments, and maximum likelihood. Includes detailed discussion of papers in applied econometrics and computer exercises using standard econometric packages.

Prerequisite: Economics 2110 or equivalent.

Economics 2131. 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, panel data, and stationary and non-stationary time series. Includes detailed discussion of empirical applications. Students will complete a short research project in applied econometrics.

Prerequisite: Economics 2120 or equivalent.

Economics 2140 (formerly Economics 2140b). Econometric Methods

Catalog Number: 7210

Gary Chamberlain

Half course (fall term). Tu., Th., 2:30–4, and a one-hour weekly section to be arranged. EXAM GROUP: 16, 17

Statistical decision theory with applications to portfolio choice, panel data topics, selection bias, demand and supply, qualitative choice, and quantile regression.

Prerequisite: Economics 2120 or equivalent.

Economics 2142 (formerly Economics 2140d). Time Series Analysis

Catalog Number: 4414

James H. Stock

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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 (formerly Economics 2140e). Advanced Applied Econometrics]

Catalog Number: 7686

Ariel Pakes and Jack R. Porter

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

An introduction to the theory and application of recently developed econometric techniques used in advanced applied work. Simulation techniques as well as semiparametric and nonparametric tools will be studied in a variety of empirical contexts.

Note: Expected to be given in 2002–03.

Economics 2162. The Econometrics Workshop

Catalog Number: 2372

Dale W. Jorgenson, Gary Chamberlain, Jinyong Hahn (Brown University), James H. Stock (Kennedy School), and Samuel B. Thompson

Full course. Th., 4:30–6. EXAM GROUP: 18

Current research topics in theory and applications of econometrics.

Comparative Systems; Economic History; Development

For Undergraduates and Graduates

Economics 1315. Economic Development in East Asia

Catalog Number: 1920

Dwight H. Perkins

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

EXAM GROUP: 4

Covers the modern development and economic history of East and Southeast Asia. Topics include the role of government policy and the state, the transition from economies based on central planning to economies relying on market forces, the origins and nature of the Asian financial crisis, the role of natural resources or the lack thereof, differing approaches to income distribution and social welfare, and other issues connected with industrialization and agricultural development in the region.

Prerequisite: Social Analysis 10.

Economics 1340. Globalization and History

Catalog Number: 4025

Jeffrey G. Williamson

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

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: Economics concentrators may not take this course pass/fail.

Prerequisite: Social Analysis 10 or permission of the instructor.

[*Economics 1357. Historical Perspectives on American Economic Ascendancy]

Catalog Number: 7554 Enrollment: Limited to no more than 70.

Claudia Goldin

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

Explores the sources and origins of America's economic ascendancy beginning with the founding of the nation. Addresses whether the U.S. is currently losing economic leadership or whether other nations are converging on it. Explores how the U.S. achieved economic supremacy, emphasizing natural resources, legal institutions, migration of labor and capital from the Old World, education, and invention. Addresses domestic problems encountered along the way, such as inequality, regional divisions, slavery, and economic vicissitudes such as the Great Depression. Evaluates the solutions tried, such as larger and more powerful government, including the growth of social insurance programs, and labor unions.

Note: Expected to be given in 2002–03. Economics concentrators may not take this course pass/fail.

Prerequisite: Social Analysis 10 or permission of the instructor.

Economics 1360. Politics, Society, and Economic Development

Catalog Number: 6066 Enrollment: Limited to 30.

Dwight H. Perkins

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

Explores selected topics in the relationship between economic development in developing countries and the kinds of political and social institutions that influence development. Focuses on the appropriate role for the state in the management of the economy under varying political and social systems. Topics include the effectiveness of industrial policy in different institutional settings, the economics and politics of bilateral and multilateral foreign aid, how ethnic diversity affects ownership patterns in the economy, the causes and cures for corruption, and other similar issues.

Note: Requires a major research paper as well as a final exam.

Prerequisite: Social Analysis 10 or permission of the instructor.

Economics 1395. Institutions, Incentives, and Development

Catalog Number: 3562

Ashok S. Rai

Half course (spring term). M., W., 2:30–4, and a section to be arranged. EXAM GROUP: 7, 8

Provides an analytic framework for understanding how institutions influence development. Special attention is paid to the problems of moral hazard, adverse selection, and limited enforcement. Topics include corruption, microcredit, environmental degradation, agricultural tenancy, medieval trade, village insurance, and poverty reduction schemes.

Note: Expected to be omitted in 2002–03.

Prerequisite: Economics 1010a or 1011a. Mathematics 20 or equivalent is recommended.



Economics 1399. Economic Development

Catalog Number: 4051

Beatriz Armendariz de Aghion

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

Survey course designed to guide students in applying economic analysis to questions related to developing countries. Covers broad issues such as the meaning of development, economic growth, income distribution, poverty and hunger, health, population growth, migration flows, capital flows, stabilization and adjustment, trade flows, agriculture, land reform, rural credit, and the problem of corruption. Considers topics such as the problem of health and hunger in Africa, stabilization and adjustment in Latin America, industrialization in East Asia, agriculture in China, and land reform in India.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b.)

Cross-listed Courses

Social Analysis 60. Wealth and Poverty in the World Economy

Primarily for Graduates

Economics 2300. The Political Economy of Socialism and Transition

Catalog Number: 6585

Janos Kornai

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

Characteristic properties of classical socialism: political structure, ownership, coordination mechanisms, growth pattern, investment, prices, wages and employment. Inducements of reform. Experiments with market socialism. Main issues of postsocialist transition: political transformation, stabilization, transfer of property rights, changes in employment, income distribution and social security.

Note: Expected to be omitted in 2002–03. Students of government, sociology, Russian and Chinese studies, and advanced undergraduates are welcome.

Economics 2325. World Development

Catalog Number: 8510

Jeffrey G. Williamson

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

Uses economic history to explore development the world round over the past two centuries, from the British industrial revolution to the contemporary Third World. Takes examples from Europe, Latin America, Asia, and North America.

Note: Satisfies the graduate distribution requirement.

Economics 2327. History and Theory of Development

Catalog Number: 8092

Jeffrey D. Sachs

Half course (fall term). M., W., 11:30–1, and a section on F., at 11. EXAM GROUP: 4, 5

Provides an overview of the subject of economic development from theoretical, historical, and



policy perspectives. Main aim is to allow students to analyze policy debates surrounding economic growth and development from a broad theoretical and historical base. Considers alternate theories of modern economic growth within a dynamic context. Treats the problem of economic growth in historical perspective, addressing several critical junctures of modern economic history. Emphasizes current policy debates in economic development.

Note: Satisfies the graduate distribution requirement. Offered jointly with the Kennedy School as PED-101I.

[Economics 2330. The Development of the American Economy]

Catalog Number: 0123

Claudia Goldin

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

Covers selected topics in American economic history with an emphasis on the causes and consequences of economic growth in the 19th and 20th centuries. Also explores the historical roots of current economic issues, such as the productivity slowdown, technological change, inequality, social insurance programs, regulation, race, immigration, unions, education, and macroeconomic fluctuations.

Note: Expected to be given in 2002–03. Satisfies the graduate distribution requirement.

[Economics 2334. The Industrial Revolution]

Catalog Number: 0124

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

Selected topics in European economic history with an emphasis on the causes and consequences of modern economic growth in Britain, France, Germany, and Russia in the 18th, 19th, and early 20th centuries. Topics include agrarian change and impact, industrial technical change and impact, physical capital accumulation and finance, divisions of labor, human capital accumulation, international trade and finance, British late 19th-century retardation, World War I, and the Great Depression.

Note: Expected to be given in 2002–03. Advanced undergraduates welcome with permission of instructor. Satisfies the graduate distribution requirement.

***Economics 2339. The Economic History Workshop**

Catalog Number: 8183

Jeffrey G. Williamson

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 2385. Microfinance: Theory and Practice

Catalog Number: 8527

Beatriz Armendariz de Aghion

Half course (fall term). M., W., 11:30–1. EXAM GROUP: 4, 5

Covers theories behind poverty alleviation via loan provision to credit constrained individuals; focuses on the analytics behind the success of microfinance institutions at circumventing adverse



selection and moral hazard; overviews empirical literature on impact; integrates case studies and policy debates. Intended to help potential entrepreneurs understand how microfinance enterprises operate in practice.

Note: Offered jointly with the Kennedy School as PED-326.

Prerequisite: Good background in advanced microeconomics and econometrics. Qualified undergraduates welcome.

[Economics 2390a. The Structural Transformation in Historical Perspective]

Catalog Number: 4216

Dwight H. Perkins and Jeffrey G. Williamson

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

Reviews historical patterns of the structural transformation in Europe, Latin America, East Asia, and Africa. Focus is on the role of policy in development, the balance between agriculture and industry, the role of international trade and finance, and the need for changing institutions as economies mature or as they make the transition from one economic system to another.

Note: Expected to be given in 2002–03. Serves as the introduction at the graduate level to the field of Economic Development; also satisfies the graduate distribution requirement.

Economics 2390b. Development Economics I: Microeconomic Issues

Catalog Number: 2990

Michael Robert Kremer

Half course (fall term). M., W., 10:30–12. EXAM GROUP: 3, 4

Topics include agricultural issues such as peasant behavior, land tenancy, interlinked markets; credit and insurance market problems and institutions; health, nutrition, and productivity; gender bias; education; and technology adoption.

Economics 2390c. Developmental Economics II: Macroeconomic Issues

Catalog Number: 0388

Philippe Aghion

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Topics include innovation-based growth, innovations and capital accumulation, scale effects and convergence, exhaustible resources, learning-by-doing, growth and market structure, general purpose technologies, dynamics of wage inequality, and technical change and institutional change.

Economics 2390d. The Economic Growth and Development Workshop

Catalog Number: 1926

Philippe Aghion, Robert J. Barro, Francesco Caselli, Michael Robert Kremer, Asim Khwaja (Kennedy School), Dwight H. Perkins, and Jeffrey G. Williamson.

Full course. Fall: Tu., 2:30–4; Spring: W., 2:30–4. EXAM GROUP: Fall: 16, 17; Spring: 7, 8

Monetary and Fiscal Theory and Policy; Public Sector Economics

For Undergraduates and Graduates



Economics 1410. Public Sector Economics

Catalog Number: 6136

David M. Cutler, Mihir A. Desai (Business School), Martin Feldstein, Caroline M. Hoxby, and Judith Li

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

EXAM GROUP: 4

An economic analysis of government policy in market economies. Examines efficiency and equity arguments for government intervention, economic theories of government decision making, and empirical evidence on government programs. Special emphasis on social insurance and health care.

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 1422. Issues in Canadian Economic Policy

Catalog Number: 3284

Angelo Melino (University of Toronto)

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

Topics include Canada's recent macroeconomic performance, labor market outcomes, income inequality, productivity, fiscal trends, the brain drain, the Canadian dollar, inflation targeting, and North American Monetary Union.

Prerequisite: Economics 1010b or 1011b.

[Economics 1430. Macroeconomics and Politics]

Catalog Number: 5549

Alberto F. Alesina

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

Topics on the interplay between political processes and macroeconomics, including monetary policy and central-bank independence, political business cycle theory, macroeconomic determinants of voter behavior, the economic consequences of divided government, determinants of fiscal policy, hyperinflation and monetary stabilization, political economy of long-term growth, and theory of economic and monetary union.

Note: Expected to be given in 2002–03.

Prerequisite: Social Analysis 10.



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 and moral perspective. The central question is whether rising living standards promote openness of opportunity, social mobility, tolerance of diversity, commitment to democracy, and other related characteristics of free societies. Approaches include economic, historical, and literary analyses.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b).

Economics 1485. Growth and Institutions

Catalog Number: 8019

Philippe Aghion

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

EXAM GROUP: 12, 13

This course analyzes the interplay between economic institutions and macroeconomic volatility and growth; it builds to a large extent on the recent history of high-tech sectors in industrialized countries, on the transition experience in post-socialist economies, and on the recent currency crisis episodes in Asia and Latin America.

Note: Offered jointly with the Kennedy School as API-124.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b), and Mathematics 20.

Cross-listed Courses

Quantitative Reasoning 24. Health Economics

Primarily for Graduates

[Economics 2410a. Macroeconomics of the Labor Market]

Catalog Number: 3488

Christopher L. Foote

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

Studies business cycle dynamics with an emphasis on the labor market. Begins with an analysis of the canonical real business cycle model and discusses problems of identifying fundamental shocks, the amplification of these shocks, and generating realistic levels of persistence in output movements. Then discusses approaches to each of these three areas, paying particular attention to recent work using disaggregated employment data. The goal is to allow students to become fully acquainted with modern business cycle research and to appreciate research opportunities involving disaggregated labor market data.

Note: Expected to be given in 2002–03.

Prerequisite: Economics 2010c and 2010d.

Economics 2410e. Economic Growth

Catalog Number: 0681

Robert J. Barro and Francesco Caselli



Half course (spring term). Th., 6–8:30 p.m. EXAM GROUP: 18

The course is organized around the question: “why are some countries so poor and some so rich?” Examines, among other things, the roles of factor accumulation, differences in productivity, technology adoption and technology diffusion, institutions and politics, culture and social capital. Emphasizes both empirical and theoretical methods.

Economics 2410g. Political Economics

Catalog Number: 6758

Alberto F. Alesina and Andrei Shleifer

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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 2410h. Dynamic Programming and Consumption

Catalog Number: 1851

David I. Laibson

Half course (spring term). F., 1:30–4:30. EXAM GROUP: 6, 7, 8, 9

First half of course introduces dynamic programming, including both discrete and continuous-time methods. Considers applications to search, investment, option valuation, and consumption. Discusses computational methods for generating numerical solutions. Second half surveys recent empirical and theoretical research in consumption. Topics may include consumption of durables, incomplete markets, habit formation, precautionary saving, asset allocation, credit markets, savings adequacy, savings policy and savings incentives, psychological models of saving, calibration of lifecycle consumption models, and empirical methods.

Economics 2420. Monetary and Fiscal Policy Seminar

Catalog Number: 5946

Benjamin M. Friedman, Alberto F. Alesina, Robert J. Barro, John Y. Campbell, Francesco Caselli, Christopher L. Foote, David I. Laibson, N. Gregory Mankiw, Jeremy C. Stein, and James H. Stock

Full course. M., 2–4. EXAM GROUP: 7, 8

Economics 2450a. Public Economics and Fiscal Policy I

Catalog Number: 1339

David M. Cutler

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

Surveys theoretical and empirical analyses of taxation and government expenditures. Topics include tax incidence, optimal tax theory, public goods and externalities, empirical analysis of responses to taxation, and health economics.

Economics 2450b. Public Economics and Fiscal Policy II

Catalog Number: 6478

Martin Feldstein, David M. Cutler, and Caroline M. Hoxby

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.

Economics 2460 (formerly Economics 2910). The Health Economics Workshop

Catalog Number: 7617

David M. Cutler, Joseph P. Newhouse (Kennedy School, Medical School, Public Health), and William C. Hsiao (Public Health)

Half course (spring term). W., 4:30–6. EXAM GROUP: 9

Focuses on theory, econometric models, and public policy of health care. Frontier work in health economics presented and discussed by instructors and outside speakers. Topics include public and private investments in health, hospital and physician behavioral models, markets and competition in health care, and regulation and financing health services.

Note: May be taken for credit only by dissertation students presenting research.

Economics 2480. The Public Economics and Fiscal Policy Workshop

Catalog Number: 6834

David M. Cutler, Martin Feldstein, Caroline M. Hoxby, and Judith Li

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**

Catalog Number: 9061

Martin Feldstein

Half course (spring term). Tu., 6:30–8:30 p.m. EXAM GROUP: 18

This seminar 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. Speakers will be experts with experience in this field rather than economists.

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 (spring term). M., W., F., at 11, and a one-hour weekly section to be arranged.

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, the debt crisis, and the formation of currency unions.

Prerequisite: Social Analysis 10.

Economics 1535. International Trade and Investment

Catalog Number: 2557 Enrollment: Limited to 50.



Marc J. Melitz

Half course (fall term). M., W., 2:30–4, and a one-hour weekly section to be arranged. EXAM GROUP: 7, 8

Analyzes the causes and consequences of international trade and investment. Focuses on the interplay of economic theory and empirical descriptions of foreign trade and direct investment patterns.

Prerequisite: Economics 1010a or 1011a.

[Economics 1542. International Trade Policy]

Catalog Number: 2613

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

Provides an introduction to the theory, history and empirical evaluation of international trade policy. Begins by reviewing the theory of trade and trade policy in both competitive and non-competitive environments. Discusses the determinants and impact of 19th- and 20th-century trade policies. Concludes with an evaluation of major current trade policy debates.

Note: Expected to be given in 2002–03.

Prerequisite: Economics 1010a or 1011a, or permission of instructor.

[Economics 1545. International Financial and Macroeconomic Policy]

Catalog Number: 5166 Enrollment: Limited to 25.

Kenneth Rogoff

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

Advanced theoretical and empirical analysis of contemporary international macroeconomic policy issues, including speculative attacks on exchange rates and sovereign debt. First part of course develops theoretical and empirical foundations, whereas last part looks at a number of policy issues related to redesigning the international financial architecture.

Note: Expected to be given in 2002–03.

Prerequisite: Economics 1010b or 1011b.

Economics 1550. Economics of International Financial Policy

Catalog Number: 5112

Jeffrey A. Frankel (Kennedy School)

Half course (fall term). Tu., Th., 1–2:30, and a section on F., 1-2:30. EXAM GROUP: 15, 16

Deals with international monetary economics, or the macroeconomics of open economies.

Topics include the foreign exchange market, devaluation, and trade elasticities; simultaneous determination of the trade balance, GDP, the balance of payments, money flows, and price levels; increasingly integrated financial markets; monetary and fiscal policy; international macroeconomic interdependence and policy coordination; supply relationships and nominal anchors for monetary policy; and the determination of exchange rates.

Note: Offered jointly by the Kennedy School as ITF-220.

Prerequisite: Economics 1010a (or 1011a) and 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. In addition to traditional approaches to comparative advantage, the course discusses in detail scale economies, imperfect competition, and product differentiation. These approaches are then expanded to deal with trade dynamics and economic growth. Trade policies are discussed in all these environments. Finally, the formation of trade policies is discussed as part of a political process in which special interest groups play a major role.

Note: Strongly recommended as preparation for Economics 2530b.

Economics 2530b. International Finance

Catalog Number: 7144

Oved Yosha (Tel-Aviv University)

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

Financial aspects of growth and income determination in open economies. Specific topics include financial risk in the international setting, money and exchange rate regimes, income determination and macroeconomic policy, history of international monetary arrangements, and current issues in international monetary reform.

Prerequisite: Economics 2530a provides extremely useful background for topics in this course.

Economics 2535. Advanced Topics in International Trade

Catalog Number: 6410

Marc J. Melitz

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Covers advanced theoretical and empirical topics concerning the determinants of world trade patterns.

Prerequisite: Economics 2530a or permission of instructor.

[Economics 2536. Advanced Topics in International Finance]

Catalog Number: 1718

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

Covers advanced theoretical and empirical topics in open economy macroeconomics and international finance.

Note: Expected to be given in 2002–03.

Economics 2537. International Trade Policy: Issues and Analysis

Catalog Number: 1699

Dani Rodrik (Kennedy School)

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Aims to develop expertise with economic models used for the analysis of international trade policy issues. Readings and discussions focus on theoretical and empirical work relating to trade and income distribution, trade and growth, industrial policy and development, political economy of trade, and the WTO and the international trade regime.



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

Richard N. Cooper, Jeffrey A. Frankel (Kennedy School), Elhanan Helpman, Marc J. Melitz, Dani Rodrik (Kennedy School), and Andres Velasco (Kennedy School)

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

Richard E. Caves

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

The nature of modern firms and markets. The main features of industrial structure and their relationship to market performance. Impact on the behavior of business enterprise in pricing, advertising, research and development, and profits.

Prerequisite: Social Analysis 10.

[Economics 1601. Regulation and Antitrust]

Catalog Number: 2851

Richard E. Caves

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

Examines the economic rationales for government intervention into business decisions.

Considers both traditional regulation and recent progress towards deregulation of public utilities, such as telecommunications firms or electric utilities. Also considers the enforcement of antitrust policies. The course will provide an overview of the institutions through which government policies are implemented and will consider evidence on the impact of regulatory and antitrust policy.

Note: Expected to be given in 2002–03.

Prerequisite: Social Analysis 10.

Economics 1630. Economics and the Arts

Catalog Number: 4884

Richard E. Caves

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

EXAM GROUP: 13, 14

Explores the economic issues that arise in the organization of economic activity in the visual and performing arts and industries with substantial “creative” components. Addresses issues of



domestic and international public policy.
Note: Expected to be omitted in 2002–03.
Prerequisite: Social Analysis 10.

Economics 1640. Topics in Industrial Organization: Theory and Applications

Catalog Number: 7875

Julie Holland Mortimer

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

EXAM GROUP: 12, 13

Advanced 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.

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, and a 1.5-hour weekly section to be arranged. EXAM GROUP: 6, 7

Provides a survey, from the perspective of economics, of policy issues associated with natural resource use and environmental protection. Combines lectures on conceptual and methodological topics with case discussions of actual resource and environmental controversies. Topics include principles of environmental and resource economics, nonrenewable resources (minerals and energy), renewable resources (water, forests, land, fisheries, and wildlife), 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.

Economics 1690. Environmental and Natural Resource Economics

Catalog Number: 2939

Martin L. Weitzman

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

A survey of the conceptual, analytical, and theoretical foundations of environmental and natural resource economics. Public goods and externalities, common property, alternative policies for controlling pollution. Dynamic analysis of the extraction and exploitation of renewable (e.g., fisheries) and nonrenewable (e.g., minerals) natural resources. Theoretical aspects of cost-benefit analysis, environmental accounting, sustainable development, and biodiversity preservation.

Note: This is a mathematically rigorous course that provides the basic analytic framework for students seriously interested in environmental economics. Offered jointly with the Kennedy School as ENR-321.

Prerequisite: Economics 1010a or 1011a, and Mathematics 20, or equivalent.



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 and empirical work in industrial organization. Static analysis (theory and estimation): demand systems, cost functions, and game theoretic concepts of equilibrium. Mergers and cartels in a static setting. Dynamic analysis (theory, computation, and estimation): single agent problems in I.O.; multiple agent problems (Markov Perfect Equilibrium for traditional investment games and extensions to learning by doing, dynamic demand — advertising and experience goods, durable goods — collusion, etc.).

Economics 2611. Industrial Organization II

Catalog Number: 2302

Markus M. Möbius, Julie H. Mortimer, and Ariel Pakes

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

Application of industrial organization to problems of public policy. Analysis of antitrust policy; public utility regulation; regulation and deregulation of electricity, telecommunications and other sectors; health, safety and environmental regulation.

Note: Students are urged to take Economics 2610 before Economics 2611.

***Economics 2640hf. The Industrial Organization Workshop**

Catalog Number: 5981

Ariel Pakes, Richard E. Caves, Markus M. Möbius, and Julie H. Mortimer

Half course (throughout the year). M., 2:30–4. EXAM GROUP: 7, 8

***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., 4–6. 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 (formerly Economics 1423). Capital Markets

Catalog Number: 1917

Tuomo O. Vuolteenaho

Half course (fall term). Tu., Th., 2:30–4, and a one-hour weekly section to be arranged. EXAM GROUP: 16, 17



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 (formerly Economics 1445). Corporate Finance

Catalog Number: 5889

Rafael LaPorta

Half course (spring term). M., W., 2:30–4, and a one-hour weekly section to be arranged. EXAM GROUP: 7, 8

Introduction to corporate finance, including capital budgeting, capital structure of firms, dividend policy, incentives of insiders, and takeovers.

Prerequisite: Economics 1010a or 1011a.

Economics 1755. International Corporate Finance

Catalog Number: 1921

Rafael La Porta

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Introduction to financial decisions in an international context. Topics include the market for foreign exchange, international valuation methods, options, futures, swaps, risk management, global financing, corporate governance, privatization, country risk, banking and currency crisis.

Prerequisite: Economics 1723 or 1745.

Economics 1760. Topics in Financial Economics

Catalog Number: 4594

Jeremy C. Stein

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

Theory and empirical evidence on selected questions in financial economics, with an emphasis on current research. Topics include behavioral finance and market efficiency, capital allocation by financial markets and inside firms, and banking and monetary policy.

Prerequisite: Economics 1723 or 1745.

Primarily For Graduates

Economics 2710. Financial Econometrics

Catalog Number: 9013

Angelo Melino (University of Toronto)

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

A look at empirical topics and techniques in finance, including an introduction to estimation and inference with discrete-sampling of continuous-time processes.

Prerequisite: Economics 2120.

Economics 2723 (formerly Economics 2423). Asset Pricing I

Catalog Number: 2847

John Y. Campbell and Tuomo O. Vuolteenaho



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

An introduction to financial economics emphasizing discrete-time models and empirical applications. First half of course reviews basic asset pricing theory. Second half discusses empirical topics including predictability of stock and bond returns, the equity premium puzzle, and intertemporal equilibrium models.

Prerequisite: Economics 2010a or 2020a, or permission of instructor.

Economics 2725 (formerly Economics 2425). Corporate Finance

Catalog Number: 1427

Jeremy C. Stein

Half course (spring term). M., W., 8:30–10. EXAM GROUP: 1, 2

Theory and empirical evidence of capital structure, dividends, investment policy, managerial incentives, and takeovers. Topics include market efficiency, agency problems, and ownership.

Prerequisite: Economics 2060.

Economics 2727 (formerly Economics 2427). Topics in Empirical 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: Offered jointly with the Business School as 4814. Structured to minimize overlap with Economics 2725. Seminar format; students write referee reports and a research paper.

Economics 2728 (formerly Economics 2428). Behavioral Finance

Catalog Number: 8633

Andrei Shleifer

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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, closed end funds, the equity premium, and trading volume.

Note: Expected to be omitted in 2002–03.

Prerequisite: Economics 2723.

Economics 2730 (formerly Economics 2430). Asset Pricing II

Catalog Number: 2235

Luis Manuel Viceira (Business School), George Carl Chacko (Business School), and Randolph B. Cohen (Business School)

Half course (spring term). F., 3–6. EXAM GROUP: 8, 9

Emphasis of course is both theoretical and empirical. First part of course uses continuous-time methods to develop models of the term structure of interest rates, return volatility, contingent claims valuation, and optimal consumption and portfolio choice. Covers estimation methods for continuous-time models in finance. Second part develops intertemporal general equilibrium models of asset returns and discusses recent research on cross-sectional patterns in stock returns.

Note: Offered jointly with the Business School as 4244.



Prerequisite: Graduate-level microeconomics, macroeconomics, and econometrics; Economics 2723 or equivalent.

Economics 2740. Risksharing in Macroeconomics

Catalog Number: 8717

John Y. Campbell

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Considers how financial markets and government policy can be used to share risks efficiently across economic agents. Topics include portfolio choice theory for long-term investors, international risksharing and the home bias puzzle, intergenerational risksharing and social security, nominal versus inflation-indexed assets, and proposals to create new financial markets.

Prerequisite: Economics 2010c and 2010d.

***Economics 2770hf. The Financial Economics Workshop**

Catalog Number: 1379

Jeremy C. Stein, Laurent E. Calvet, John Y. Campbell, Rafael La Porta, Andrei Shleifer, and Tuomo O. Vuolteenaho

Half course (throughout the year). M., 4–6. EXAM GROUP: 9

Labor, Human Resources, and Income Distribution; Urban Economics

For Undergraduates and Graduates

[Economics 1800. The Economics of Cities]

Catalog Number: 2159

Edward L. Glaeser

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

Addresses the central questions of why cities exist, what roles will cities continue to play in the economy, and what determines the rise and fall of cities. Special attention is paid to cities and information, and social problems in cities.

Note: Expected to be given in 2002–03.

Prerequisite: Social Analysis 10 and Statistics 100.

Economics 1812. The U.S. 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



First charts trends in personal, corporate, and government indebtedness in the U.S., then discusses the impact of each change on societal well-being. Finally, asks about public policy concerning the various forms of U.S. debt.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).

[Economics 1815. Social Problems of the American Economy]

Catalog Number: 3130

Lawrence F. Katz

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

Examines selected social and economic problems of the U.S. and evaluates market and governmental solutions. Topics include discrimination, income and wage inequality, welfare reform, antipoverty strategy (including education and training programs), homelessness, crime, and charitable behavior.

Note: Expected to be given in 2002–03. A research paper is required.

Economics 1818. Economics of Discontinuous Change

Catalog Number: 3029

Richard B. Freeman

Half course (spring term). Tu., Th., at 1, 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: The course requires a research paper. Students should have some mathematical background, but there is no prerequisite.

Economics 1822. Economics of Education

Catalog Number: 1004

Caroline M. Hoxby

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

Explores why people attain different levels of education, why schools are or are not efficient, how education should be financed to achieve both equity and efficiency goals, what explains rising tuition in higher education, and whether education is an engine of macroeconomic growth. Examines education using labor economics (human capital investment, the market for teachers), public economics (financing K-12 education, public colleges), industrial organization (the structure of the education industry, agency problems in public education), and macroeconomics (growth theory).

Note: Expected to be omitted in 2002–03. The application of theory, discussion of research, and option of a research paper make this a good course for students considering honors theses in economics.

Prerequisite: Economics 1010a or 1011a, or permission of the instructor.



Primarily for Graduates

Economics 2800a. Social and Urban Economics

Catalog Number: 3319

Edward L. Glaeser

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

First half of course focuses on traditional urban economics topics: the economics of agglomeration, local public finance, and real estate. Second half looks at social economics topics including ghettos and discrimination, crime and violence, the positive theory of law enforcement, religion, and the economics of the family.

Prerequisite: PhD-level courses in economic theory and econometrics or permission of instructor.

Economics 2810a. Labor Market Analysis

Catalog Number: 4862

Caroline M. Hoxby

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Introduces theoretical and empirical research related to labor markets, wages, education, and employment. Wage determination includes equalizing differences, self-selection, human capital, education, training, job mobility, matching, agency, insurance, and tournament models. Labor supply includes allocation of time, taxes, unemployment insurance, and life-cycle models. Labor demand includes the minimum wage, dynamic adjustment models, and the impact of technological change on wages. Teaches current empirical methods in applied microeconomics.

Economics 2810b. Labor Economics and Labor Market Institutions

Catalog Number: 3206

Richard B. Freeman

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

Focuses on the operation of the labor market and impact of labor market institutions on labor market outcomes. Topics include labor econometrics, theories of wage determination, empirical analysis of wage differentials and changes in the wage structure, models of trade union behavior and research on the impact of unions, institutional change in the labor market, unemployment, labor market segmentation and discrimination, and the labor market in an open economy.

Economics 2812. The Labor Economics Workshop

Catalog Number: 0230

Caroline M. Hoxby, Richard B. Freeman, and Lawrence F. Katz

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

Richard B. Freeman and Paul C. Weiler (Law School)

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

Research and discussion with trade union leaders and management concerning labor issues.



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 Ph.D. 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

Any professor, associate professor, assistant professor, or lecturer in residence is available for this course. Individual work or work in small groups in preparation for the general examination for the PhD degree, or by arrangement in special topics not included in the announced course offering.

***Economics 3010. Direction of Doctoral Dissertations**

Catalog Number: 4579

Members of the Department

Note: In all cases the thesis topic must have been formally submitted to and approved by a thesis advisor.

***Economics 3011. Research in Behavior in Games and Markets**

Catalog Number: 0109

Drew Fudenberg 3460, Laurent E. Calvet 1495, Jerry R. Green 1539, David I. Laibson 1241, Markus M. Möbius 3441, Alvin E. Roth 564, and Michael A. Schwarz 2729

Half course (fall term; repeated spring term). W., 11:30–1. EXAM GROUP: 4, 5

Serves mainly as a forum for presentations by graduate students of their current research. Work presented can be very preliminary and conjectural.

Prerequisite: Economics 2010a (or 2020a) and 2010b (or 2020b).

***Economics 3163hf. Research in Econometrics**

Catalog Number: 4392

Dale W. Jorgenson 2000, Gary Chamberlain 1745, Jinyong Hahn (Brown University) 3992, James H. Stock (Kennedy School) 1783, and Samuel B. Thompson 3406

Half course (throughout the year). Fall: M., 12–1:30; Spring: M., at 12.

Participants discuss recent research in econometrics and present their own work in progress.

Open to doctoral students in economics who have passed their oral examinations.

***Economics 3390hf. Research in Economic Development**

Catalog Number: 2532

Michael Robert Kremer 2112 (on leave spring term), Philippe Aghion 1263 (on leave 2002-03), Robert J. Barro 1612, Robert H. Bates 1251, Francesco Caselli 1489, Asim Ijaz Khwaja (Kennedy School) 3994, Dwight H. Perkins 2300, Ashok S. Rai 3127, and Jeffrey G. Williamson 7680

Half course (throughout the year). Fall: W., at 1; Spring: M., W., at 1. EXAM GROUP: Fall: 6



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

N. Gregory Mankiw 1118 (on leave spring term), Alberto F. Alesina 2074 (on leave 2002-03), Robert J. Barro 1612, Francesco Caselli 1489, Christopher L. Foote 2333, and David I. Laibson 1241

Half course (throughout the year). Tu., 12–1:30.

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, Caroline M. Hoxby 1235 (on leave 2002-03), Lawrence F. Katz 1480 (on leave 2001-02), and Judith Li 2144

Half course (throughout the year). Th., 1:30–3.

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

David M. Cutler 2954 and Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425

Half course (throughout the year). Tu., 8–9:30.

Participants discuss recent research in health economics. Course may also include presentation of original research by participants. Open to doctoral students only.

***Economics 3530hf. Research in International Economics**

Catalog Number: 5777

Richard N. Cooper 7211, Elhanan Helpman 2334, and Marc J. Melitz 3499

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

Ariel Pakes 1774 (on leave fall term), Richard E. Caves 1414, Markus M. Möbius 3441, and Julie Holland Mortimer 3993

Half course (throughout the year). W., 2:30–4. EXAM GROUP: 7, 8

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

Oliver S. Hart 3462, Lucian Arye Bebchuk (Law School) 2042, and Louis E. Kaplow (Law School) 3223

Half course (throughout the year). Hours to be arranged.

The presentation of work in progress in the field of law, economics, and organizations. Presentations to be made by members of the various Harvard faculties, outside speakers, and graduate students. Open to all faculty and students with an interest in law, economics, and organizations.

***Economics 3723hf (formerly *Economics 3423hf). Research in Financial Economics**

Catalog Number: 4107

Jeremy C. Stein 3752, Laurent E. Calvet 1495, John Y. Campbell 1230, Rafael La Porta 1466, Andrei Shleifer 2772, Tuomo O. Vuolteenaho 3494, and Luis Manuel Viceira (Business School) 3183

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.

***Economics 3810chf. Research in Labor Economics**

Catalog Number: 4066

Caroline M. Hoxby 1235 (on leave 2002-03), Richard B. Freeman 4127, and Lawrence F. Katz 1480 (on leave 2001-02)

Half course (throughout the year). Th., 1:30–3.

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 Division 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
Michael J. Aziz, Gordon McKay Professor of Materials Science
Ana P. Barros, Associate Professor of Environmental Engineering on the Gordon McKay Endowment



Michael S. Brandstein, Associate Professor of Electrical Engineering on the Gordon McKay Endowment
 Michael P. Brenner, Gordon McKay Professor of Applied Mathematics and Applied Physics
 Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science (*on leave fall term*)
 David A. Edwards, Gordon McKay Professor of the Practice of Biomedical Engineering
 Brian F. Farrell, Robert P. Burden Professor of Meteorology
 Joseph J. Harrington, Gordon McKay Professor of Environmental Engineering (*FAS*), Professor of Environmental Health Engineering (*Public Health*)
 Paul Horowitz, Professor of Physics and of Electrical Engineering
 Robert D. Howe, Gordon McKay Professor of Engineering
 John W. Hutchinson, Abbott and James Lawrence Professor of Engineering (*Co-Director of Undergraduate Studies*)
 Daniel J. Jacob, Gordon McKay Professor of Atmospheric Chemistry and Environmental Engineering
 R. Victor Jones, Robert L. Wallace Professor of Applied Physics
 Aleksandar Kavcic, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment (*Co-Director of Undergraduate Studies*)
 Navin Khaneja, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
 H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering (*on leave spring term*)
 Scot T. Martin, Associate Professor of Environmental Chemistry on the Gordon McKay Endowment
 Ralph Mitchell, Gordon McKay Professor of Applied Biology
 Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences and Professor of Physics (*Dean of the Division of Engineering and Applied Sciences*)
 Alfred A. Pandiscio, Senior Lecturer on Electronics on the Gordon McKay Endowment
 James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics
 Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave spring term*)
 Irvin C. Schick, Lecturer on Engineering Sciences
 Garrett B. Stanley, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment
 Howard A. Stone, Harvard College Professor and Gordon McKay Professor of Chemical Engineering and Applied Mechanics
 Joost J. Vlassak, Assistant Professor of Materials Engineering on the Gordon McKay Endowment
 Gu-Yeon Wei, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
 Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science, Associate of the Harvard Forest

Other Faculty Offering Instruction in Engineering Sciences

Yu-Chi Ho, T. Jefferson Coolidge Research Professor of Applied Mathematics and Gordon McKay Research Professor of Engineering



The Division of Engineering and Applied Sciences offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended curricula may be obtained from the Academic Office, Pierce Hall 110a. Division faculty also offer several courses in the section entitled General Education Electives.

For information concerning concentration in Engineering Sciences, please consult the Co-Directors of Undergraduate Studies or the Academic Office, Division of Engineering and Applied Sciences, Pierce Hall 110a.

Primarily for Undergraduates

Engineering Sciences 6. Environmental Engineering Science

Catalog Number: 2969

Peter P. Rogers, Ana P. Barros, Scot T. Martin, and members of the faculty.

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

An introduction to environmental engineering sciences emphasizing solving problems from human use and control of the environment. Cases from aquatic, terrestrial, and atmospheric environments will be discussed. In each setting the basic scientific principles underlying the control will be emphasized. Occasional field trips and laboratories will be required.

Prerequisite: Mathematics at the level of Mathematcis 1b, and chemistry at the level of Chemistry 5, and an introductory biology course at high school or college level.

Engineering Sciences 50. Introduction to Electrical Engineering

Catalog Number: 4499

R. Victor Jones, Alfred A. Pandiscio, and Woodward Yang

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

Intended for freshmen and sophomore level students. Introduces basic electrical engineering concepts including voltage, current, charge, resistance, capacitance, inductance, Kirchoff's Current Law, and Kirchoff's Voltage Law. In addition, a survey of practical digital and analog electronics (such as computers, television, telephones, CDROMs, video games, modems and satellite communications) will be presented to illustrate more advanced topics in electrical engineering and computer science including signal processing, semiconductor circuits, communications and computer architecture. The course assumes only a basic knowledge of high school physics, linear algebra and elementary calculus.

Note: Ordinarily cannot be taken for credit after Engineering Sciences 154 or Computer Science 141 or Physics 123.

Engineering Sciences 51. Computer-Aided Design

Catalog Number: 0322

Robert D. Howe

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

A first course in the design and construction of mechanical and electromechanical devices. Computational structures and algorithms for the representation and manipulation of geometrical data. Introduction to materials selections as applied to structural designs, including stress-strain analysis, thermal stresses, analysis, etc. Design of two-dimensional mechanisms; related rates,



mechanical advantage. Computer controlled machine tools and their control languages; the speed and precision of machine tool operations. Designing to minimize vibration, wear, and noise; designing for reliability and longevity. Emphasis on laboratory work and individual design projects carried out using numerically controlled machine tools.

Note: An introductory engineering design course open to freshmen, sophomores, and juniors. May not be taken concurrently with other engineering design courses.

Prerequisite: Mathematics 1b (may be taken concurrently); high school physics; experience with some programming language.

***Engineering Sciences 91r. Supervised Reading and Research**

Catalog Number: 1113

John W. Hutchinson and Aleksandar Kavcic

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 110a.

***Engineering Sciences 96. Engineering Design Projects**

Catalog Number: 8461 Enrollment: Limited to 25.

Frederick H. Abernathy and Alfred A. Pandiscio

Half course (spring term). Th., 4–5:30 and two additional hours to be arranged. EXAM

GROUP: 18

Group project selected to provide experience in the processes and practice of engineering design. It is the central activity of a design seminar which, ordinarily, is taken in the spring term of the junior year.

Note: Preference given to S.B. candidates.

Cross-listed Courses

[Earth and Planetary Sciences 30. Environmental Microbiology]

***Freshman Seminar 6. Human Modification of Freshwater Systems**

***Freshman Seminar 58. Microorganisms in the Biosphere**

For Undergraduates and Graduates

***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 semester 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 forms are available in Pierce Hall 110a. 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 forms are available in Pierce Hall 110a. Project approval rests with the faculty Engineering Design Review Board.

Prerequisite: *Engineering Sciences 96.

Engineering Sciences 101. Applied Statistics

Catalog Number: 3350

Joseph J. Harrington

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7

Survey course for students in the applied sciences. Probability, statistical inference, estimation and stochastic processes introduced through the solution of several problems in applied science (e.g., environmental sciences, decision analysis, chemical kinetics, fluid and solid mechanics, and oceanography). Generation, manipulation and display of data bases, parameter estimation, choice among models, multivariate analyses, and robustness. Computer exercises will be required.

Note: No previous knowledge of statistics or probability is presumed.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

Engineering Sciences 102. Introduction to Operations Research

Catalog Number: 2844

Navin Khaneja

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Introduction to analytical and numerical methods for optimization of deterministic and stochastic systems; survey of linear and nonlinear programming, game theory, decision analysis, Markov chains, queuing theory and simulation. Examples taken from a variety of fields. A conceptual introduction to materials covered in depth in Engineering Sciences 201, 202, 205, and 210.

Segments of the weekly problem sets can be done on PCs, if desired.

Note: Students who have no background in probability should be prepared to do some extra work. Some PC experience useful but not necessary.

Prerequisite: Applied Mathematics 21b or Mathematics 21b and some knowledge of probability and statistics at the level of Statistics 110 or Engineering Sciences 101.

Engineering Sciences 120. Introduction to the Mechanics of Solids

Catalog Number: 1493



James R. Rice

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

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. General states of stress and strain, equations of motion or equilibrium, strain-displacement relations. Stress waves. Torsion. Beam theory with applications to beam deflections, vibrations, and buckling. Energy and virtual work methods for structures. Stress concentration; introduction to fatigue and fracture of solids. Four or five 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 123. Introduction to Fluid Mechanics

Catalog Number: 8323

Ana P. Barros

Half course (spring term). Tu., Th., 1–2:30, and laboratory. EXAM GROUP: 15, 16

Statics and dynamics of fluids. Buoyancy, stability, and hydrostatics. Laminar viscous flows, simple boundary layers. Dimensional analysis. Potential flows, origin of lift. Gravity waves, open channel flow. Navier-Stokes equation, Reynolds' stress, turbulent flows in boundary layers and pipes. Applications in environmental, mechanical and chemical engineering, aerodynamics, etc.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b; Engineering Sciences 120 and Applied Mathematics 105a or 105b recommended.

Engineering Sciences 125. Mechanical Systems

Catalog Number: 7274

Frederick H. Abernathy

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

Modeling and analysis of mechanical and electromechanical systems. Topics include resonance, damping, frequency response, Laplace transform methods, Lagrange's equations, multiple degree-of-freedom systems, and rigid body rotations. Computer exercises on simulation of linear and nonlinear dynamic systems. Laboratory: experiments on vibration, stabilization, and complex dynamical system using modern electronic instrumentation and data reduction systems. Computer simulations of a few systems will become laboratory exercises.

Note: May not be taken for credit in addition to Physics 151.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b or Mathematics 22a,b; Physics 11a or 15a.

[Engineering Sciences 128. Computational Solid and Structural Mechanics]

Catalog Number: 0359

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

Continuation of Engineering Sciences 120 in which continuum mechanics principles are developed at an intermediate level and implemented by computer, using the finite-element method, to solve problems of stressing, deformation, and motion of solid materials and structures. New concepts include plane stress and strain fields and introductions to wave



propagation, vibrations, plate and shell structures, fracture mechanics, and creep and plasticity under general stress states. In computational work students develop simple finite-element analyses for beam structures and two-dimensional stress systems, using the general-purpose program ABAQUS, and do a project addressing a significant problem arising in mechanical, structural or materials engineering, biomechanics, or earth science.

Note: Expected to be given in 2002–03.

Prerequisite: Engineering Sciences 120.

Engineering Sciences 143. Biomedical Transport Phenomena as the Seed of a Biomedical Startup

Catalog Number: 4194

David A. Edwards and Howard A. Stone

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

Introduces students to biomedical problems in the area of cell, tissue, and blood transport, with an emphasis on translation of these ideas to biomedical applications. Students organize in “startup” groups founded around a technical discovery. Seminars and workshops co-organized by the DEAS Technology and Entrepreneurship Center present problems in the biomedical transport area and assist startup teams in the development of business plans and patent applications.

Prerequisite: Engineering Sciences 123 or *Engineering Sciences 144.

[*Engineering Sciences 144. Introduction to Technology Development in the Biomedical Engineering Industry]

Catalog Number: 3580

David A. Edwards

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

Introduces students to discovery and pre-clinical and clinical development in the genomics, drug delivery, and medical device industries. Overviews biological systems including the immune and circulatory systems, and the lungs, heart and brain. Describes classes of drugs including small molecules and proteins, and the chemistry and engineering involved in drug delivery systems such as polymeric microspheres, gene vectors, pulmonary inhalers, and transdermal patches. Lectures or additional meetings will include speakers from the biotech community (senior officers of biotech companies and leading scientists). Students participate in the class through group projects in which they will research industries, technologies, preclinical and clinical developments, and markets.

Note: Expected to be given in 2002–03.

Prerequisite: An understanding of organic chemistry is strongly recommended. Exceptions will be made with approval of the instructor.

Engineering Sciences 145. Introduction to Systems Analysis with Physiological Applications

Catalog Number: 8197

Garrett B. Stanley and guest lecturers

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, and cardiovascular regulation. Laboratory: neural models; feedback control systems; properties of frog muscle; and cardiovascular function.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

Engineering Sciences 148. Neural Signal Processing

Catalog Number: 0495

Garrett B. Stanley and guest lecturers

Half course (spring term). Tu., Th., 10–11:30, and an additional hour to be arranged. 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.

Prerequisite: Applied Mathematics 21a or Mathematics 21a and physics at the level of Physics 15b. Engineering Sciences 145 is ideal preparation; Biological Sciences 80 may compensate for lesser preparation in mathematics or physics.

Engineering Sciences 151. Electromagnetic Communication with Wireless Applications

Catalog Number: 5742

Aleksandar Kavcic

Half course (spring term). M., W., 2:30–4, and additional laboratory sections to be arranged. EXAM GROUP: 7, 8

A study of basic physics and signal processing that make wireless electromagnetic communications possible. Topics include: electromagnetic properties of matter, Maxwell's equations, electromagnetic wave propagation through free space and along waveguides, transmission line analysis, characteristics of receiving and transmitting antennas, antenna arrays, stochastic characterization of wireless channels, temporal and spatial filtering, wireless cellular systems, multiaccess methods (TDMA, FDMA, CDMA).

Prerequisite: Familiarity with basic electromagnetics (Physics 15b), circuit analysis (Engineering Sciences 154 or 50), and Fourier analysis (Engineering Sciences 156, 125, or Applied Mathematics 105a).

Engineering Sciences 154. Electronic Devices and Circuits

Catalog Number: 6319

R. Victor Jones

Half course (fall term). Tu., Th., 10–11:30, plus labs to be arranged. EXAM GROUP: 12, 13

An introduction to physical models of the operation of semiconductor devices and an examination of the design and operation of important circuits that utilize these devices. Topics include operational amplifier circuits; the physics of semiconductors; models of bipolar and unipolar 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: Introductions to electronic circuits as in Engineering Sciences 50, differential



equations and Fourier series as in Applied Mathematics 21b and electricity and magnetism as in Physics 11b or 15b.

Engineering Sciences 156. Signals and Systems

Catalog Number: 6284

Michael S. Brandstein

Half course (spring term). Tu., Th., 2:30–4. 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. Computer Speech Generation and Recognition

Catalog Number: 1724

Michael S. Brandstein

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to computer speech processing and human-machine communication by speech. Acoustic theory and models for speech production. Time- and frequency-domain analysis of speech signals. Speech coding: linear prediction, vector quantization. Vocoder and text-to-speech synthesis. Theory and methodologies for computer speech recognition: dynamic pattern matching, hidden Markov models, neural networks.

Prerequisite: Engineering Sciences 156 or permission of instructor.

Engineering Sciences 158. Digital Communications

Catalog Number: 7721

Aleksandar Kavcic

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.

Prerequisite: Engineering Sciences 156 and a course in probability theory and/or statistics.

[Engineering Sciences 159. Introduction to Robotics]

Catalog Number: 3126

Robert D. Howe

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

Introduction to computer-controlled robotic manipulators. Topics include coordinate frames and transformations, kinematic structure and solutions, statics and dynamics of serial chain manipulators, control and programming, 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 2002–03.

Prerequisite: Computer Science 50, and either Engineering Sciences 125 or 156.

[Engineering Sciences 162. Hydrology]

Catalog Number: 4163

Ana P. Barros

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

Introduces hydrological principles focusing on precipitation, evapotranspiration, infiltration, groundwater, and runoff production mechanisms. Emphasis is placed on water budgets, and the linkages between land-use, land-form, soils, and vegetation and hydrological processes on regional and local scales. Hydrological data collection and standard analysis are presented. Hydrologic planning, restoration, and engineering design methods and technologies are treated in detail.

Note: Expected to be given in 2002–03. Students who desire to take the course for graduate credit should enroll in Engineering Sciences 262.

Prerequisite: Applied Mathematics 21b, or equivalent. Knowledge of statistics and probability is desirable.

Engineering Sciences 165. Introduction to Environmental Engineering

Catalog Number: 4274

Peter P. Rogers

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduces engineering technologies for control of the environment and relates them to underlying scientific principles. Efficient design of environmental management facilities and systems. Cases from aquatic, terrestrial, and atmospheric environments discussed.

Note: For undergraduates or graduates without background in environmental engineering.

Prerequisite: Exposure to the material in Engineering Sciences 101 and Chemistry 7 is recommended; Applied Mathematics 21a or 21b, or equivalent mathematical background is required.

Engineering Sciences 167. Environmental Assessment

Catalog Number: 6885

Peter P. Rogers

Half course (spring term). Hours to be arranged.

Examines the methods and approaches to environmental impact assessment currently being used and new approaches which rely on improved scaling and index development. Geographical Information Systems (GIS) will be used extensively. 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 Earth and Planetary Sciences 5 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.

Prerequisite: Chemistry 5 and 7 or equivalent.

Engineering Sciences 181. Thermodynamics

Catalog Number: 3889

Michael J. Aziz

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to engineering thermodynamics with emphasis on elements of classical thermodynamics. Kinetic theory and statistical mechanics briefly discussed to provide a molecular interpretation of thermodynamic properties such as entropy. 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, air conditioning. Properties and simple models of solutions. Phase and chemical equilibrium in multicomponent systems; chemical potential. Laboratory included.

Prerequisite: Physics 11 or 15 and Mathematics 21; chemistry at the level of a good secondary school course, or Chemistry 5.

Engineering Sciences 190. Introduction to Materials Science

Catalog Number: 6973

Joost J. Vlassak

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to the structure and properties of materials. Bonding between atoms. Crystal structure and diffraction. Phase transformations: phase diagrams, diffusion, nucleation and growth. Mechanisms of deformation and fracture. Effect of microstructure on properties.

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 108. Environmental Geomechanics

Primarily for Graduates

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

Irvin C. Schick



Half course (spring term). Tu., Th., 4:30–6. EXAM GROUP: 18

Mathematical analysis of decision making under uncertainty. Axiomatic derivation of subjective probability and utility. Decision trees, normal and extensive form, value of information. Bayesian inference. Comparison with classical forms of inference. Optimal sample size. Estimation and sequential decision problems. Normal and regression models. Applications to business decisions, engineering problems, sampling, etc.

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 dynamic systems under deterministic and stochastic inputs. Calculus of variations. Maximum principle, mathematical and dynamic programming approaches to the optimization of dynamic systems. Controllability and observability, linear quadratic control synthesis, numerical methods for the solution of optimal control problems, Kalman filtering and estimation. Applications from mechanics, aerospace sciences, environmental systems, operations research, and economics.

Prerequisite: Good background in linear differential equations, matrix algebra, and introductory probability. Applied Mathematics 21a,b or Mathematics 21a,b, and Statistics 110 or equivalent.

Engineering Sciences 203. Stochastic Control

Catalog Number: 6982

Roger W. Brockett

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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 205. Performance Optimization of Complex Systems]

Catalog Number: 1569

Half course (spring term). Hours to be arranged.

Complex human made systems abound in modern civilization ranging from the Internet to the electric power grid of the US. The design and analysis of such systems all require modeling, analysis, optimization, and computerized learning. This course will tackle the study of such systems from a unified viewpoint. It is an expanded version of Engineering Sciences 205 of past years and incorporates parts of Engineering Sciences 102, 201, and 202, and Economics 2052.

Note: Expected to be given in 2002–03.

Prerequisite: Applied Mathematics 21a,b, or Mathematics 21a,b, and Statistics 110 (or equivalents).



Engineering Sciences 209. Nonlinear Control Systems

Catalog Number: 1194

Roger W. Brockett

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 10, 11, 12, 13, 14, 15, 16, 17

The study of nonlinear input-output systems and the qualitative behavior of dynamical systems. Topics include controllability, observability, uniqueness of models, decomposition theory, asymptotic stability, periodic solutions, and strange attractors. Local and global methods of differential geometry and Lie theory developed and used as needed.

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, Kuhn-Tucker theory, nonlinear programming.

Note: Expected to be omitted in 2002–03. Offered in alternate years.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b; Applied Mathematics 120, or equivalent.

Engineering Sciences 213. Advanced Biomedical Transport Phenomena as the Seed of a Biomedical Startup

Catalog Number: 1083

David A. Edwards and Howard A. Stone

Half course (spring term). Hours to be arranged. EXAM GROUP: 5

Students are expected to meet all of the requirements of Engineering Sciences 143 and in addition are required to write a term paper with significant analytical and engineering emphasis in the area of biomedical transport and possibly industrial translation.

Prerequisite: Engineering Sciences 123 or *Engineering Sciences 144.

[*Engineering Sciences 214. Advanced Introduction to Technology Development in the Biomedical Engineering Industry]

Catalog Number: 2663

David A. Edwards

Half course (spring term). Hours to be arranged.

Students are expected to meet all of the requirements of Engineering Sciences 144 and in addition are required to write a term paper with significant analytical and engineering emphasis in the area of technology development in biomedical engineering.

Note: Expected to be given in 2002–03.

Prerequisite: An understanding of organic chemistry is strongly recommended. Exceptions will be made with approval of the instructor.

Engineering Sciences 215. Advanced Introduction to Systems Analysis with Physiological Applications

Catalog Number: 5493

Garrett B. Stanley and guest lecturers



Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Students are expected to meet all of the requirements of Engineering Sciences 145 and in addition are required to write a term paper with significant analytic emphasis. Informal discussion groups will be formed to extend material beyond the lectures.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

Engineering Sciences 218. Advanced Neural Signal Processing

Catalog Number: 7709

Garrett B. Stanley and guest lecturers

Half course (spring term). Tu., Th., 10–11:30, and an additional hour to be arranged. 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.

Prerequisite: Applied Mathematics 21a or Mathematics 21a and physics at the level of Physics 15b. Engineering Sciences 145 is ideal preparation; Biological Sciences 80 may compensate for lesser preparation in mathematics or physics.

[*Engineering Sciences 219r. Special Topics in Biomedical Engineering: Orthopedic Biomechanics]

Catalog Number: 0696

Half course (fall term). Hours to be arranged.

Introductory course in biomechanics as applied to orthopedic science. Review of anatomy, kinematics, and solid mechanics for the musculoskeletal system. Emphasis on the mechanics of joints (movement, force transmission), bone, and soft tissues (e.g., cartilage, ligament, muscle). Examples from emerging technologies including imaging, cellular mechanics, and tissue engineering.

Note: Expected to be given in 2002–03.

Prerequisite: Mathematics 21a,b or Applied Mathematics 21a,b; Physics 11a or 15a; Engineering Sciences 120 or equivalent introductory solid mechanics course.

Engineering Sciences 220. Fluid Dynamics

Catalog Number: 2759

Howard A. Stone

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

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 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 225r. Special Topics in Fluid Dynamics

Catalog Number: 3982

Michael P. Brenner

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



Spring 2002: Study of a wide range of problems in classical physics through G.I. Taylor's original papers, supplemented by recent research articles and other articles of great historical interest. Topics include: homogeneous turbulence, instabilities, the strength of solids, swimming microorganisms, the buckling of elastic plates, chemical dispersion, electrohydrodynamics, and rheology.

Prerequisite: Engineering Sciences 220 or permission of the instructor.

Engineering Sciences 240. Solid Mechanics

Catalog Number: 2984

John W. Hutchinson

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Foundations of continuum mechanics and development of elasticity theory: conservation laws; concepts of stress and strain; theory of constitutive response; mechanical behavior of materials. Vectorial, dyadic, and tensorial form of equations. Elementary elasticity solutions for waves and vibrations; stresses due to rotation, temperature change, dislocations, and surface loading; bending and torsion; buckling instabilities. Plate theory.

Prerequisite: Applied Mathematics 105a,b or equivalent; introduction to solid mechanics at the level of Engineering Sciences 120, or Earth and Planetary Sciences 166, or Applied Physics 293.

[Engineering Sciences 241. Advanced Elasticity]

Catalog Number: 6711

John W. Hutchinson and James R. Rice

Half course (spring term). Hours to be arranged.

Plane elasticity and complex variable methods. Elastic crack solutions. Basic three-dimensional problems. Inclusions and inhomogeneities. Thermodynamics of deformation. Dynamic elasticity, waves, radiation from faults and cracks. Elastic theory of composite materials and cracked bodies.

Note: Expected to be given in 2002–03. Continuation of Engineering Sciences 240.

Prerequisite: Engineering Sciences 240 and Applied Mathematics 201 or equivalent.

Engineering Sciences 242r. Solid Mechanics: Advanced Seminar

Catalog Number: 5379

John W. Hutchinson

Half course (spring term). Hours to be arranged.

Topics in 2001-02. The mechanics of films and multilayers: deformation, cracking and delamination. Residual stresses in thin films and their origin. Micron scale plasticity and its applications.

Prerequisite: Engineering Sciences 240.

[Engineering Sciences 246. Plasticity and Finite Deformation]

Catalog Number: 4271

Joost J. Vlassak

Half course (fall term). Hours to be arranged.

Phenomenological theories for strain hardening materials; flow and deformation theories.

Variational principles and other general theorems. Mechanisms of plastic deformation, physical theories for strain hardening materials, polycrystals. Ideal plasticity. Boundary value problems,



plastic collapse, buckling of structures. Finite strain measures of stress and strain, localization instabilities.

Note: Expected to be given in 2002–03.

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.

Prerequisite: Engineering Sciences 240 or equivalent.

Engineering Sciences 257. Advanced Computer Speech Generation and Recognition

Catalog Number: 5006

Michael S. Brandstein

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

The contents and course requirements are similar to Engineering Sciences 157, with the exception that students enrolled in Engineering Sciences 257 are required to prepare a more substantial project analyzing a specific problem or methodology of speech processing.

Prerequisite: Engineering Sciences 156 or permission of instructor.

Engineering Sciences 258. Advanced Digital Communications

Catalog Number: 8645

Aleksandar Kavcic

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

The contents and the course requirements are similar to those of Engineering Sciences 158, with the exception that students enrolled in Engineering Sciences 258 are required to prepare a term project analyzing current research in a specific area of digital communications.

Prerequisite: Engineering Sciences 156 and a course in probability theory and/or statistics.

[Engineering Sciences 259. Advanced Introduction to Robotics]

Catalog Number: 3671

Robert D. Howe

Half course (fall term). Hours to be arranged.

The contents and course requirements are similar to those of Engineering Sciences 159, with the exception that students enrolled in Engineering Sciences 259 are required to prepare a term project analyzing current research in a specific problem area within Robotics.

Note: Expected to be given in 2002–03.

Prerequisite: Computer Science 50 and either Engineering Sciences 125 or 156.

Engineering Sciences 260. Engineering Systems for Environmental Control

Catalog Number: 1180

Joseph J. Harrington

Half course (spring term). Hours to be arranged.



Provision of urban water; engineering aspects of collection and disposal of spent water and solid wastes; significant interchanges between gaseous, liquid, and solid phases of the environment; geographic interchanges; time-dependent developments. Data collection and processing for monitoring and control; maintenance and operation of pollution control systems.

Prerequisite: Engineering Sciences 123 or permission of instructor.

[Engineering Sciences 261. Design of Water Resource Systems]

Catalog Number: 3919

Peter P. Rogers

Half course (fall term). Hours to be arranged.

Functional design of management systems for collection, storage, conveyance, treatment, and distribution of water. Uses techniques of operations research to develop methods for planning integrated systems of dams, reservoirs, canals, pipe networks, pumps, and treatment plants. Applications in water supply, irrigation hydropower, environmental protection, and conservation of wildlife.

Note: Expected to be given in 2002–03. Given in alternate years.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

[Engineering Sciences 262 (formerly Engineering Sciences 262r). Advanced Hydrology]

Catalog Number: 5658

Ana P. Barros

Half course (spring term). Hours to be arranged.

The contents and course requirements are similar to those in Engineering Sciences 162, with the exception that students are required to conduct extra reading and complete extra assignments.

Note: Expected to be given in 2002–03.

Prerequisite: Applied Mathematics 21b, or equivalent. Knowledge of statistics and probability is desirable.

Engineering Sciences 265. Advanced Environmental Geomechanics

Catalog Number: 1469

James R. Rice

Half course (fall term). Tu., Th., 10–11:30 and one additional session to be arranged. EXAM GROUP: 12, 13

Meets together with Earth and Planetary Sciences 108, but provides advanced coverage of topics chosen from: seepage flows, solute transport, constitutive response, poroelasticity, failure mechanics, granular flows, seismic effects, open channel flows, turbulence, and sediment transport.

Note: Given in alternate years.

Prerequisite: Applied Mathematics 105a,b or equivalent, and study at an undergraduate level in solid or fluid mechanics, comparable to Engineering Sciences 120 and 123.

[*Engineering Sciences 266r. Special Topics in Hydrometeorology]

Catalog Number: 4367

Ana P. Barros

Half course (spring term). Hours to be arranged.

The overall focus of the course is on observing, modeling and forecasting of precipitation.



Global and local observation networks and instruments. Statistical and physically-based models and parameterizations. Emphasis also placed on understanding the space-time scaling behavior of precipitation processes, use of remote-sensing data, and data-fusion and data-assimilation techniques.

Note: Expected to be given in 2002–03.

[*Engineering Sciences 267r. Special Topics in Environmental Hydrology]

Catalog Number: 9896

Ana P. Barros

Half course (fall term). Hours to be arranged.

Examines a number of topics fundamental to the understanding of water pathways in the environment including land-atmosphere-biosphere interactions, surface-groundwater interactions, transport phenomena, sediment mobility and landscape evolution, and flood and drought hazards. Special attention given to connecting spatial and temporal scales, and to establishing a scientific basis for the development, restoration and sustainability of landscapes and water resource systems.

Note: Expected to be given in 2002–03.

Engineering Sciences 268. Environmental Chemical Kinetics

Catalog Number: 8711

Scot T. Martin

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Quantifying the time rate of change of chemical species in environmental systems. Common laboratory techniques to measure rate constants. Linear free energy relationships and structural contributions to estimate unknown rate constants. Formulating a coupled chemical system and application of the six principal approximations to obtain analytical solutions. Numerical analysis of complex systems. Concepts are taught by reference to topical problems of current interest in environmental systems. Literature assignments and discussion are part of the course.

Prerequisite: Physical Chemistry (e.g., Chemistry 60 or Engineering Sciences 168) and Applied Mathematics 21a,b or Mathematics 21a,b or equivalent.

Engineering Sciences 269. Fluvial Geomorphology and Landscape Evolution

Catalog Number: 2160

Rafael L. Bras

Half course (spring term). F., 1:30–4:30. EXAM GROUP: 6, 7, 8, 9

Natural landscapes and drainage basins result from the interaction of geologic, tectonic, biological, aeolian and fluvial processes, leading to well organized drainage systems. This seminar will study the nature of this self organization and present models to represent the landscape evolution over long time periods.

Prerequisite: Required background: basic calculus, differential equations, and basic probability and statistics. Additional desired background: hydrology, geology, fluid mechanics, computer skills.

Engineering Sciences 299r. Special Topics in Engineering Sciences

Catalog Number: 6710

Venkatesh Narayanamurti



Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable applied science problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and A.B./S.M. candidates only. Students must arrange such work with a member of the Division. This course is ordinarily taken with the approval of the Committee on Higher Degrees in certain cases when a letter grade is required. Applicants should file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110a.

Cross-listed Courses

[Earth and Planetary Sciences 202. Introduction to the Dynamics of Atmospheres and Oceans]

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 303,304. Topics in Electronic Materials and Semiconductor Heterostructure Physics**

Catalog Number: 8668,2824

Venkatesh Narayanamurti 5445

***Engineering Sciences 305,306. Manufacturing**

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 (on leave fall term)

***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 315,316. Computer Networks**

Catalog Number: 2848,2849

H. T. Kung 3155 (on leave spring term)



***Engineering Sciences 317,318. Systems and Control**

Catalog Number: 5089,1030

Yu-Chi Ho 1057

[*Engineering Sciences 319,320. VLSI Signal Processing]

Catalog Number: 3557,2722

Woodward Yang 2790 (fall term)----- (spring term)

Note: Expected to be given in 2002–03.

***Engineering Sciences 321,322. Shannon Theory, Digital Communications, and Reliable Transmission of Information**

Catalog Number: 9317,2330

Aleksandar Kavcic 1261

***Engineering Sciences 325,326. Mixed-Signal VLSI Design**

Catalog Number: 8415,9336

Gu-Yeon Wei 4102

***Engineering Sciences 327,328. Circuit Design and Scientific Instrumentation**

Catalog Number: 4901,6521

Paul Horowitz 3537

***Engineering Sciences 335,336. Mechanics of Engineering Materials and Small Devices**

Catalog Number: 8173,2399

Joost J. Vlassak 3184

***Engineering Sciences 337,338. Solid Mechanics: Geomechanics, Fault Rupture, Tribology, and Fracture Theory**

Catalog Number: 4316,3948

James R. Rice 7270

***Engineering Sciences 339,340. Fluid Mechanics**

Catalog Number: 1744,7810

Frederick H. Abernathy 1047

***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 347,348. Biological Systems Analysis and Control**

Catalog Number: 6761,3310

Garrett B. Stanley 2797



***Engineering Sciences 355,356. Speech and Audio Processing**

Catalog Number: 4605,7048

Michael S. Brandstein 2794

***Engineering Sciences 357,358. Atmosphere-Biosphere Interactions**

Catalog Number: 7661,8060

Steven C. Wofsy 4396

***Engineering Sciences 359,360. Stratospheric Chemistry and Transport**

Catalog Number: 8410,6856

Steven C. Wofsy 4396

***Engineering Sciences 361,362. Atmospheric Chemistry**

Catalog Number: 7238,7514

Daniel J. Jacob 1781

***Engineering Sciences 363,364. Dynamic Meteorology**

Catalog Number: 3756,3757

Brian F. Farrell 7628

***Engineering Sciences 369,370. Urban and Regional Systems Analysis**

Catalog Number: 8775,8768

Peter P. Rogers 2804 (on leave spring term)

***Engineering Sciences 375,376. Environmental Biology**

Catalog Number: 3985,2863

Ralph Mitchell 1587

***Engineering Sciences 381,382. Physical Hydrology and Hydrometeorology**

Catalog Number: 2968,4821

Ana P. Barros 2515

***Engineering Sciences 389,390. Environmental Chemistry**

Catalog Number: 6660,1639

Scot T. Martin 3365

***Engineering Sciences 391,392. Environmental Engineering**

Catalog Number: 3979,2860

Joseph J. Harrington 2427



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

Lawrence Buell, Harvard College Professor and the John P. Marquand Professor of English
(*Chair*) (*on leave spring term*)

Robert Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of English (*Acting Chair, spring term*) (*on leave spring term*)

Homi K. Bhabha, Anne F. Rothenberg Professor of English and American Literature and Language (*on leave fall term*)

Robert Brustein, Artistic Director of the American Repertory Theatre, Director of the Loeb Drama Center; Professor of English (*on leave 2002-03*)

Leo Damrosch, Harvard College Professor and the Ernest Bernbaum Professor of Literature (*on leave fall term*)

Daniel G. Donoghue, Professor of English and American Literature and Language

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature

Lynn Mary Festa, Assistant Professor of English and American Literature and Language

Philip J. Fisher, Felice Crowl Reid Professor of English and American Literature

Marjorie Garber, William R. Kenan, Jr. Professor of English

Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities

Jorie Graham, Boylston Professor of Rhetoric and Oratory

Erik Irving Gray, Assistant Professor of English and American Literature and Language

Stephen J. Greenblatt, John Cogan University Professor (*on leave spring term*)

Joseph C. Harris, Professor of English and Folklore

Seamus Heaney, Ralph Waldo Emerson Poet in Residence

Yunte Huang, Assistant Professor of English and American Literature and Language (*on leave spring term*)

Oren Jeremy Izenberg, Assistant Professor of English and American Literature and Language (*on leave 2002-03*)

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*on leave 2001-02*)

Walter Kaiser, Francis Lee Higginson Professor of English Literature and Professor of Comparative Literature, Emeritus (*on leave 2001-02*)

Adrienne Kennedy, Visiting Lecturer on English and American Literature and Language

Jamaica Kincaid, Visiting Lecturer on Afro-American Studies and on English and American Literature and Language

Barbara K. Lewalski, William R. Kenan, Jr., Professor of History and Literature and of English Literature (*Director of Graduate Studies*)

Douglas Mao, Assistant Professor of English and American Literature and Language (*on leave 2002-03*)

Jesse E. Matz, John L. Loeb Associate Professor of the Humanities (*on leave 2002-03*)

Kyoko Mori, Briggs-Copeland Lecturer on English and American Literature and Language (*on leave 2002-03*)

Elisa New, Professor of English and American Literature and Language (*Director of*



Undergraduate Studies) (on leave spring term)

John Parker, Assistant Professor of English and American Literature and Language

John M. Picker, Assistant Professor of English and American Literature and Language

Douglas A. Powell, Briggs-Copeland Lecturer on English and American Literature and Language

Patricia E. Powell, Briggs-Copeland Lecturer on English and American Literature and Language

Leah Price, Assistant Professor of English and American Literature and Language (*on leave 2002-03*)

Ann Wierda Rowland, Assistant Professor of English and American Literature and Language

Peter Sacks, Professor of English and American Literature and Language

Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value

Sharmila Sen, Assistant Professor of English and American Literature and Language (*on leave fall term*)

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English

Michael Shinagel, Senior Lecturer on English

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of Afro-American Studies

John Stauffer, Associate Professor of English and American Literature and Language and of History and Literature

Roger E. Stoddard, Senior Lecturer on English

Helen Vendler, Arthur Kingsley Porter University Professor (*on leave spring term*)

Brad Watson, Associate of Adams House, Briggs-Copeland Lecturer on English and American Literature and Language

Nicholas Watson, Professor of English and American Literature and Language

Other Faculty Offering Instruction in the Department of English and American Literature

Sacvan Bercovitch, Powell M. Cabot Research Professor of American Literature (*on leave fall term*)

English 10a and 10b, both required of concentrators, are often chosen as entry points to the study of English at Harvard. 10ax or 10bx may be taken as alternatives. 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 Cap. Advanced Poetry Workshop**

Catalog Number: 6523 Enrollment: Limited to 15.

Jorie Graham

Half course (fall term; repeated spring term). Fall: W., 1–4; Spring: Th., 12–3. EXAM GROUP: Fall: 6, 7, 8; Spring: 14, 15, 16

Open by application to undergraduates and graduates alike. 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 will last 3 hours and discussions will include the study of poetic practice in conjunction with the discussion of student work.

***English Cpr. Poetry Writing I**

Catalog Number: 3053 Enrollment: Limited to 15.

Douglas A. Powell

Half course (fall term; repeated spring term). Fall: M., 1–3; Spring: M., 1–4. EXAM GROUP: Fall: 6, 7; Spring: 6, 7, 8

A concentrated workshop in poetry writing for those who wish to improve as poets while broadening their knowledge of contemporary American poetry.

Note: Admission based on previously submitted samples of writing.

***English Cpw. Poetry Workshop**

Catalog Number: 4606 Enrollment: Limited to 15.

Jorie Graham and Peter Sacks (spring term)

Half course (fall term; repeated spring term). Fall: W., 1–4; Spring: W., 1–4 (Graham); or W., 1–3 (Sacks). EXAM GROUP: Fall: 13, 14; Spring: 6, 7, 8

Open by application to undergraduates and graduates alike. 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 discussions will include the study of literary texts alongside work written by students.

***English Cqr. Poetry Writing II**

Catalog Number: 2644 Enrollment: Limited to 15.

Douglas A. Powell

Half course (fall term; repeated spring term). Fall: Tu., 1–3; Spring: Tu., 1–4. EXAM GROUP: Fall: 15, 16; Spring: 15, 16, 17

See *English Cpr above.

***English Crr. Fiction Writing**

Catalog Number: 1893 Enrollment: Limited to 15.

Brad Watson

Half course (fall term; repeated spring term). Fall: Tu., 2–4; Spring: M., 2–4. EXAM GROUP: Fall: 16, 17; Spring: 7, 8

Discussion of students' work in a workshop format.

Note: Admission based on previously submitted samples of writing.



***English Csr. Fiction Writing I**

Catalog Number: 2601 Enrollment: Limited to 15.

Patricia E. Powell

Half course (fall term; repeated spring term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to the techniques and forms of fiction. Classroom discussion of student manuscripts.

Note: Admission based on previously submitted samples of writing.

***English Ctr. Advanced Fiction Writing**

Catalog Number: 7175

Brad Watson

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Discussion of students' work in a workshop format.

Note: Admission based on previously submitted samples of writing. Generally for students who have taken fiction workshops before.

***English Cvr. Fiction Writing**

Catalog Number: 1223

Jamaica Kincaid

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A seminar/workshop. Readings include Bruno Schultz, Jean Toomer, Robert Walser, and Rimbaud's *Illuminations*, among others.

Note: Submissions from experienced fiction writers are welcome.

***English Cwr. Fiction Writing II**

Catalog Number: 7765 Enrollment: Limited to 15.

Patricia E. Powell

Half course (fall term; repeated spring term). W., 2–4. EXAM GROUP: 7, 8

An advanced workshop for students who have had experience writing fiction. Student work will be discussed in class in a workshop format.

Note: Admission based on previously submitted samples of writing.

***English Cyr. Nonfiction Writing**

Catalog Number: 8545 Enrollment: Limited to 15.

Kyoko Mori

Half course (fall term; repeated spring term). M., 1–3. EXAM GROUP: 6, 7

These workshops will provide a professional atmosphere in which apprentice writers may study their craft, by practicing it themselves, by critiquing the works-in-progress of their peers, and by studying the work of established writers in the genre. Class participants should expect to spend substantial out-of-class time on each of these pursuits. The workshop period itself takes the form of a round-table discussion, primarily of student writing, but also of the assigned readings and craft topics. By the end of our studies, workshop participants should have grasped the terms and techniques associated with various nonfictional fields (memoir, nature writing, and so on), and should be confident reading their own work and the work of others critically and with an eye to revision.



Note: Freshmen admitted only with evidence of unusual qualification. All applicants should submit a brief sample of their writing during the first week of the term.

***English Czir. Advanced Nonfiction Writing**

Catalog Number: 5347 Enrollment: Limited to 15.

Kyoko Mori

Half course (fall term; repeated spring term). M., 4–6. EXAM GROUP: 9

See *English Cyr.

***English Yzir. Play Writing**

Catalog Number: 4466 Enrollment: Limited to 15.

Adrienne Kennedy

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Each student is required to complete a one act play. The first weeks are spent exploring imagery, language and the imagination through exercises. We also read selected playwrights...Chekhov, Beckett, Pinter and others.

II. Literature

Primarily for Undergraduates

Introductory Lecture Courses (two lectures, one discussion section weekly)

English 10a. Major British Writers I

Catalog Number: 8327

Stephen J. Greenblatt

Half course (fall term). Tu., Th., at 10 and an additional hour to be arranged. EXAM GROUP: 12

An introduction to the study of British literature from the Middle Ages through the 18th century. Emphasis on lyric and narrative poetry; four plays are also read.

Note: Two lectures and one section meeting per week. Required of English concentrators. Open to freshmen. Counts as Literature and Arts A credit.

English 10ax. Major British Writers I

Catalog Number: 8342

John Parker

Half course (spring term). Tu., Th., at 12 and an additional hour to be arranged. EXAM GROUP: 14

Same scope as 10a, satisfies same concentration requirement, but not Core Literature and Arts A requirement.

Note: Two lectures and one section meeting per week. Required of English concentrators. Open to freshmen.

English 10b. Major British Writers II

Catalog Number: 0550

Leo Damrosch

Half course (spring term). M., W., at 10, and an additional hour to be arranged. EXAM



GROUP: 3

An introduction to the study of British literature from the early 19th century to the present. Emphasis on lyric poetry and the novel; two modern plays are also read.

Note: Two lectures and one section meeting per week. Required of English concentrators. Open to freshmen. Counts as Literature and Arts A credit.

English 10bx. Major British Writers II

Catalog Number: 4653

Erik Irving Gray and Douglas Mao

Half course (fall term). M., W., at 10 and an additional hour to be arranged. EXAM GROUP: 3
Same scope as 10b, satisfies same concentration requirement, but not Core Literature and Arts A requirement.

Note: Two lectures and one section meeting per week. Required of English concentrators. Open to freshmen.

English 13. The English Bible

Catalog Number: 6532

Robert Kiely

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

An introduction to the Hebrew Bible and New Testament with special attention to narrative modes, figures of the human and divine, ethical problems, and sacred mysteries.

English 17. American Literature to 1860

Catalog Number: 3883

Elisa New

Half course (fall term). M., W., at 11. EXAM GROUP: 4

An introduction to the study of American literature, 1620-1860, from Anne Bradstreet and Benjamin Franklin to Frederick Douglass and Walt Whitman. Readings include the canonical texts of the American literary renaissance by Emerson, Whitman, Thoreau, Hawthorne, and Melville, as well as major writings “mainstream” and “marginal” from a variety of genres, including Native American myths, captivity and slave narratives, sermons, autobiographies, and short stories.

English 20. The English Novel

Catalog Number: 7142

Lynn Mary Festa

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

A survey of the English novel from its origins to the early twentieth century, with an emphasis on different critical accounts of its “rise” and form. Novels by Defoe, Behn, Richardson, Austen, Brontë, Dickens, Eliot, Conrad, Woolf.

English 34. Elements of Rhetoric

Catalog Number: 3820

James Engell

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Classical rhetorical theory, as originating with Aristotle, in contemporary applications. The



nature of rhetoric in modern culture; practical examples drawn from American history and literature 1765 to present; written exercises and (class size permitting) attention to public speaking; briefly treats the history and educational importance of rhetoric in the West; stresses theory and practice as inseparable; non-concentrators encouraged.

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 90ai (formerly English 168). Anglophone India]

Catalog Number: 1896

Sharmila Sen

Half course (fall term). Hours to be arranged.

Where is India and how can it be contained or conjured on paper, canvas, celluloid, or concrete? While traversing a few centuries and a vast subcontinent, we shall focus on key moments, reading selected travel narratives, plays, novels, letters, political speeches (and considering even films, lithographs, and the built environment). Some of the authors to be read include Dryden, Macaulay, Canning, Kipling, Forster, Desai, Rushdie, Sidhwa, Kureishi, and Lahiri.

Note: Expected to be given in 2002–03.

[*English 90cf. Caribbean Fictions]

Catalog Number: 8964

Sharmila Sen

Half course (spring term). Hours to be arranged.

The Caribbean is a place for tourists, a paradise; it is an area of contemporary poverty, a realm of natural disasters; it is the promise of sugared profit and the site of unspeakable taboo acts; it is Caliban's fate. And perhaps it is none of these things. We shall focus on some of the current questions in Caribbean fictions, paying attention to the genealogies of such concerns and debates. Readings include works by Behn, Rhys, Naipaul, Lamming, Harris, Phillips, Condé, Cliff, and Powell among others.

Note: Expected to be given in 2002–03.

***English 90cg. A Fascination with Purity: The Gawain Poet**

Catalog Number: 2243

Nicholas Watson

Half course (fall term). W., 12–2. EXAM GROUP: 5, 6

This course studies four poems probably written by the author of the fourteenth-century romance *Sir Gawain and the Green Knight*, which also include *Pearl*, *Cleanness*, and *Patience*. The poems all treat purity as an aesthetic and a moral goal. How do these goals relate to each other? Is poetry, like human living, necessarily impure? Exploring the Gawain-poet's sophisticated meditations on such questions, we will also consider their wider significance for thinking about literature.

***English 90cy. The Medieval Lyric**

Catalog Number: 7477

Daniel G. Donoghue



Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

The lyric is a genre often overlooked in surveys of Medieval literature, but as a group medieval lyrics present a diverse array of styles, influences, and subject matter. Much of the reading will come from Middle English, supplemented by Latin, Arabic, Hebrew, Old English, Provençal and other early vernacular poems in translation. Attention will be given, where possible, to the historical and manuscript contexts.

***English 90dy. Necessary Lies: Visions, Novelty, and Fiction in Late-Medieval Literature**

Catalog Number: 4894

Nicholas Watson

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

If the transcendent cannot be known or named, is lying the only way to talk about it? This course investigates how various genres of visionary writing view the world and their own claims to be true: ghost stories, journeys through this world and the next, demonic apparitions, divine revelations, literary fictions. Texts include Chaucer's *House of Fame*, *The Book of Margery Kempe*, Mandeville's *Travels*, *The Ghost of Guido*, and John Morigny's newly discovered *Liber visionum*.

[*English 90hs. Satire: Augustan and Modern]

Catalog Number: 8795

Michael Shinagel

Half course (spring term). Hours to be arranged.

A study of satire in poetry, prose fiction, and drama. Among the authors to be read are Dryden, Swift, Pope, Johnson, Gay, Voltaire, Orwell, Brecht, Vonnegut, and West.

Note: Expected to be given in 2002–03.

***English 90hv. Sexing Victorian Fiction**

Catalog Number: 0225

Leah Price

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Sex and money, reading and shopping, work and marriage, domestic realism and imperial fantasy, unsexed women and unmanned men, feminism and anti-feminism, single-sex communities and same-sex desire. Short stories and long novels by Austen, Brontë, Gaskell, Dickens, Collins, Eliot, Oliphant, and Conan Doyle, as well as essays by Ruskin, Mill, Trollope, and others.

***English 90in. Literature and Science in the 19th Century**

Catalog Number: 4923

John M. Picker

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

From the unstoppable force of Frankenstein's monster to the "unsinkable" Titanic, the literary imagination over the 19th century found in science and technology not only new sources of inspiration but also new reasons for dread. We examine the ways science challenged literature and the notion of artistic truth at the same time that it offered new directions for artistic exploration. Topics: technology and/of the body, Darwinism and the Victorian crisis of faith, the interrelation of science and imperialism, the cultural impact of new communications



technologies, and the emergence of science fiction as a literary genre. Authors: Mary Shelley, Dickens, Darwin, Stevenson, Hardy, Stoker, and Wells.

***English 90ka. The Brontës**

Catalog Number: 1097

Elaine Scarry

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Writings by Emily, Anne, and Charlotte Brontë, as well as the later novels and films their work has inspired.

***English 90kw. The American Civil War**

Catalog Number: 1957

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. Considers aesthetic, historical, and intellectual dimensions, and focuses in particular on national and sectional identities; the transition from romanticism to realism; generic modes in relation to gendered, class, racial, regional, and religious issues; and meanings of slavery and freedom. Authors include Stowe, Frederick Douglass, Lincoln, Whitman, Melville, Mary Chesnut, Louisa May Alcott, Twain, Bierce, Crane, Tourgee, and others.

***English 90lj. The Idea of Italy**

Catalog Number: 3054

Robert Kiely

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

An examination of 19th- and early-20th-century English and American representations of Italy in fiction, narrative poetry, and nonfictional prose. Authors include Byron, Ruskin, Pater, Browning, George Eliot, Hawthorne, Twain, James, and Forster. Special attention paid to art, religion, and conceptions of Italian character.

***English 90mf. Studies in Defoe, Richardson, and Fielding**

Catalog Number: 6041

Michael Shinagel

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

An examination of major novels by these early masters of fiction: *Robinson Crusoe*, *Moll Flanders*, *Roxana*, *Pamela*, *Clarissa*, *Joseph Andrews*, *Tom Jones*.

***English 90rp. Poetry and Politics in the 20th Century**

Catalog Number: 8623

Oren Jeremy Izenberg

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

An intensive study of the texts and contexts of a few 20th-century literary cases - the Gaelic Revival, the San Francisco Renaissance, the New York School, and the “Language” poets - in which poets have aspired both to *be* a social group (whether understood as a “movement,” a



“scene,” a “magic workshop,” a band of friends or lovers) and to use poetry to reconstruct social formations in crisis.

***English 90rs. Yeats**

Catalog Number: 5853

Peter Sacks

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Study of the poetry of Yeats.

[*English 90sl. The Romance of Scotland]

Catalog Number: 8963

Ann Wierda Rowland

Half course (spring term). Hours to be arranged.

Scottish literature and the place of Scotland in the British literary imagination of the 18th and 19th centuries. Attention to the myth of the Highlands, the romance of the Jacobite rebellion, the Ossian controversy, and the figure of the bard as well as to the larger question of what role literature has in the production of national identity. Readings in poetry, travel writing, national tales, historical novels, and philosophical prose by writers such as Smith, Hume, Smollett, Johnson, Burns, Scott, and Hogg.

Note: Expected to be given in 2002–03.

***English 90tw. Transatlantic Literature**

Catalog Number: 3077

John M. Picker

Half course (fall term). Th., 1–3.

This course considers concurrent trends and developments in American and British literary genres across the long 19th century. The focus will be on Transatlantic Hauntings. We will consider the development of the gothic phenomenon in texts that pose lingering questions about objectivity and the nature of perception, psychology, gender, and cross-cultural influence. Readings will include fiction by Washington Irving, Edgar Allan Poe, Charles Dickens, Nathaniel Hawthorne, George Eliot, Henry James, and others, as well as poetry by Poe, Alfred Tennyson, and Robert Browning.

***English 90tx. Literatures of Travel in the 18th Century**

Catalog Number: 5301

Lynn Mary Festa

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

18th-century travel writings, from fictional adventures and scientific voyages to philosophical utopias and fantastical “true histories.” Topics include: empire and domesticity; tourism and national identity; narrative continuity and the picaresque; natural history and scientific imperialism. Writings by Behn, Defoe, Swift, Boswell, Smollett, Sterne, Cook’s *Voyages*, and Raynal’s *History of the Two Indies*.

***English 90ui. The Indian Novel in English**

Catalog Number: 4187

Sharmila Sen



Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

The Indian novel in English has been castigated for Babu English, for elite preoccupations, and for purveying spicy postcolonial chic. It also appears with dizzying frequency in bookstore windows, on syllabi, and at the top of literary prize lists. While charting the evolution of the Indian English novel from nineteenth-century “false starts” to the late twentieth-century boom period, we shall read such authors as Ali, Chatterjee, Chaudhuri, Desai, Ghosh, Narayan, Roy, Rushdie, and Syal.

[*English 90uj. Jewish Writers of the European and American Diaspora]

Catalog Number: 5242

Sacvan Bercovitch

Half course (spring term). Hours to be arranged.

This course centers on the meaning of Jewishness through a particular literary form: stories by Jews. The story is a major mode of community-formation, and a major theme of the Jewish Story is Diaspora, grounded in a long and varied history. This will be our focus (with a backward glance towards scriptural tradition) in exploring Jewish writers in Europe and America from Sholem Aleikhem and Kafka through Bellow and Ozick.

Note: Expected to be given in 2002–03.

[*English 90un. Gender and Nation in 19th-Century British Literature]

Catalog Number: 8823

Ann Wierda Rowland

Half course (spring term). Hours to be arranged.

This course investigates the entanglement of gender and nation in 19th-century British poetry and fiction, paying particular attention to literature’s role in the production and representation of both. Authors will include Coleridge, Byron, Scott, Charlotte Brontë, Tennyson, Eliot and Stoker.

Note: Expected to be given in 2002–03.

***English 90wd. Dickens and George Eliot**

Catalog Number: 5789

Leah Price

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Country and city, realism and melodrama, anonymity and notoriety, modernity and nostalgia, the structure of narrative and the shape of society. For the sake of variety - and pacing - the longer fiction (*The Mill on the Floss*, *David Copperfield*, *Middlemarch* and *Bleak House*) will be interspersed with speeches, essays, reviews, letters, ghost stories and newspaper articles by and about these two very different novelists

***English 90wp. Black Playwrights of the World**

Catalog Number: 7257

Adrienne Kennedy

Half course (fall term). M., 1–3.

A survey of the drama of the most significant 20th-century Black authors from two hemispheres, with a focus on texts of plays and their cultural contexts. Readings include works by Matura, Shange, Baraka, Soyinka, Walcott, Hughes, Césaire, Hansberry, Fuller, and other playwrights.



[*English 90xa. Postmodernism: Fiction and Theories]

Catalog Number: 1783

Robert Kiely

Half course (spring term). Hours to be arranged.

An exploration of novels published after World War II and film interpretations. Texts to be considered will include *Lolita*, *A Clockwork Orange*, *Kiss of the Spiderwoman*, *The Tin Drum*, *Do Androids Dream of Electric Sheep?*, and *The English Patient*.

Note: Expected to be given in 2002–03.

English 185 (formerly *English 90uw). Wit and Humor

Catalog Number: 3941

Leo Damrosch

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Emphasizing wit and humor rather than “comedy” as classically understood, the seminar will consider selected texts and films (including, for example, Aristophanes, Lewis Carroll, Mark Twain, Woody Allen, and Monty Python), and pay particular attention to theoretical writings by psychologists, sociologists, and critics who have tried to explain why people laugh, want to laugh, and pay to be made to laugh.

Note: Non-English Department students welcome.

Tutorials, for Undergraduates Only

***English 91r. Supervised Reading and Research**

Catalog Number: 1464

Elisa New 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. Offered only by professors, assistant and associate professors, and senior lecturers. May not be taken more than twice and only once for concentration.

***English 97. Seminar—Sophomore Year**

Catalog Number: 0280

Elisa New 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. Topics to include the nature and purpose of literary study, and critical approaches such as formalism, structuralism, deconstruction, psychoanalytic criticism, Marxism, and feminism. Required of concentrators in the sophomore year.

***English 98r. Tutorial — Junior Year**

Catalog Number: 3831

Elisa New and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual tutorial supervision in the study of English and American literature.

Note: Open to honors concentrators.



Prerequisite: Grade of B or better in English 10, an overall concentration average of B or better, and the recommendation of the sophomore tutor.

***English 99r. Tutorial—Senior Year**

Catalog Number: 3901

Elisa New (fall term) and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of an independent scholarly or critical subject.

Note: Two semesters required of honors seniors. To enroll, students must submit for approval a Thesis Proposal form, available at the Undergraduate Office, 12 Quincy Street. A student who does not complete a thesis but wishes to receive credit for one term of English 99r must submit a paper or other substantial work before the end of that term's reading period.

Prerequisite: Satisfactory completion of one semester of English 98r, completion of an undergraduate seminar (90-level) taken junior year, and Honors Committee approval of proposed thesis topic.

For Undergraduates and Graduates

English 101. The History and Structure of the English Language

Catalog Number: 1987

Daniel G. Donoghue

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. Along the way we also explore 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 102. Early Bible Translations

Catalog Number: 2303

Daniel G. Donoghue

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Large portions of the Latin Bible were translated into Old English in the centuries before 1066. Some efforts, like that of Aelfric (10th century), were cautious and painstakingly literal because of the anxiety associated with any departure from the Latin text. Others, however, moved with great interpretative freedom, especially those that exploited the conventions of Old English poetry, so that Moses, for example, leads his people across a desert that looks much like the forests of northern Europe, and Satan is a rebel warrior chieftan (somewhat resembling Milton's Satan).

English 103f. Anglo-Saxon Language and Culture: Before Love

Catalog Number: 8069

Daniel G. Donoghue

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

What we call "courtly love" started off as a literary convention in the high Middle Ages, one which has since influenced western culture in profound ways. But how was love imagined and



conducted in the earlier Middle Ages? How was it represented in literature? Readings will explore a variety of emotional attachments between people, not only heterosexual relations. Translations from Old English poetry will form the basis of weekly discussions, supplemented by secondary readings.

English 115b. Chaucer: *The Canterbury Tales*

Catalog Number: 2945

Nicholas Watson

Half course (spring term). Tu., Th., at 3. EXAM GROUP: 17

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 1390's).

[English 124d. Shakespearean Tragedy]

Catalog Number: 7041

Lawrence Buell

Half course (spring term). Hours to be arranged.

Intensive reading of the full range of Shakespeare's tragedies from early experiments through masterworks like *Hamlet*, *Lear*, *Othello*, and beyond, with some attention also to their classical and medieval prototypes and to their modern reception/imitation as well as to their unique achievements as expressions of their moment. We shall also consider such broad and critical issues as "What is tragedy?", "What differentiates texts written for performance?", and "Why has Shakespeare's work, particularly the tragedies, been so influential?"

Note: Expected to be given in 2002–03.

English 124g (formerly *English 90fg). Shakespearean Genres

Catalog Number: 6690

John Parker

Half course (spring term). Tu., Th., at 3. EXAM GROUP: 17

Over the course of the semester we'll read a broad selection of Shakespeare's plays, taken from every point in his career and from each major genre in which he worked: comedy (*A Midsummer Night's Dream*, *Twelfth Night*, *Much Ado about Nothing*), tragedy (*Romeo and Juliet*, *Othello*, *Hamlet*, *Antony and Cleopatra*), history (*Richard II*, *Henry IV*, *Henry V*) and "romance" (*The Winter's Tale*, *The Tempest*, *Cymbeline*).

English 125b. Renaissance Drama: Literature, Economics, and Religion

Catalog Number: 9652

John Parker

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

To examine how in Shakespeare's lifetime a secular, commercial aesthetic grew out of and replaced drama's earlier role as an illustration of Christian truths. We'll explore the relationship of religious conviction to financial settlements of all sorts: the final pay-back of a just God's revenge, the moral status of debt, the economic contract regulating guilt, punishment and forgiveness. Readings drawn from Shakespeare, Jonson, Marlowe, the York Mystery cycle, plus *Everyman* and *Mankind*.



English 130. 17th-Century Poetry and Prose

Catalog Number: 4789

Barbara K. Lewalski

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Primary focus on the major poets Donne, Jonson, Herbert and Marvell, with attention also to other writers, men and women, the genres they practiced and their cultural milieu.

English 141. The 18th-Century Novel

Catalog Number: 8683

Leah Price

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

The rise of the novel, seen through eighteenth-century fiction by Defoe, Richardson, Fielding, Sterne, Radcliffe, and Jane Austen, plus films (*Tom Jones*, *Sense and Sensibility*, *Dangerous Liaisons*), paintings, engravings, magazine articles, and excerpts from literary and social theory. Issues include genre (what differentiates novels from epics, romances, newspapers, correspondences, biography, pornography?), modernity (what was novel about the novel?), gender, reading, and pleasure.

Note: Counts as pre-1800 credit.

English 147n. Women and the Novel to Jane Austen

Catalog Number: 1659

Lynn Mary Festa

Half course (spring term). M., W., at 11. EXAM GROUP: 4

A study of the early novel, focusing on the roles of women—as heroines, readers, and writers—in the formation of the genre. Novels by Behn, Haywood, Burney, Edgeworth and Austen. Additional background readings on the legal, medical, intellectual and moral status of women in the long 18th century.

English 149. Gothic

Catalog Number: 7198

Ann Wierda Rowland

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Readings in the Gothic traditions of British and American literature. Examines how Gothic texts challenge traditional accounts of subjectivity and individual agency, domesticity and property, familial and national history. Establishes conventions of the genre with 18th and 19th-century novels, before addressing 20th-century adaptations of the gothic in literature and film. Readings include Lewis, Shelley, Brontë, Poe, James, Stoker, Faulkner, DuMaurier, King, and Carter. Films include *Psycho*, *The Shining*, and *Blair Witch Project*.

English 150. British Romantic Poetry

Catalog Number: 5274

Ann Wierda Rowland

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Readings in the poetry of Smith, Blake, Burns, Scott, Wordsworth, Coleridge, Byron, Hemans, Shelley, and Keats.



English 151. The British Novel from Austen to Conrad in its European Context

Catalog Number: 8396

Philip J. Fisher

Half course (fall term). M., W., at 10. EXAM GROUP: 3

Rise and Fall of the Romantic self. Austen, *Sense and Sensibility*; Goethe, *Sorrows of Young Werther*; Scott, *Old Mortality*; Brontë, *Wuthering Heights*, *Jane Eyre*; Stevenson, *Dr. Jekyll and Mr. Hyde*; Conrad, *Lord Jim*. The novel of society. Flaubert, *Madame Bovary*; Eliot, *Middlemarch*; Dickens, *Oliver Twist*; Dostoevsky, *Notes from the Underground*; Zola, *L'Assommoir*; Hardy, *Jude the Obscure*.

English 154. Victorian Poetry

Catalog Number: 8644

Erik Gray

Half course (spring term). M., W., at 10. EXAM GROUP: 3

This course offers an introduction to Victorian English Poetry (1830-1900), concentrating on Alfred Tennyson and Robert Browning and on their most important generic innovation, the dramatic monologue. In the second half of the course we will survey a range of authors (Barrett Browning, Arnold, C. Rossetti, Hopkins, Hardy) and poetic forms.

English 160. 20th-Century British Novel

Catalog Number: 7052

Douglas Mao

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

The 20th-century novel in Britain and the former British empire. Imperial anxieties, wartime casualties, modernist ironies, postmodern ecstasies. Dilemmas of prose narrative in the age of film and television; predicaments of the individual in a time of mass movements; problems of national discourse in an internationalizing world. Authors may include Conrad, Forster, West, Woolf, Beckett, Lessing, Rushdie, Welsh, Winterson, P. Fitzgerald, Z. Smith.

English 162b. American and British Theatre

Catalog Number: 0745

Elaine Scarry

Half course (spring term). M., W., 11–12:30. EXAM GROUP: 4, 5

Theatre of poetry, transport, and menace: plays written between 1902 and 2002 by British (Yeats, Synge, Shaw, Osborne, Beckett, Pinter, Stoppard, Churchill) and American (O'Neill, Williams, Albee, Kennedy, Norman, Wilson, Mamet) playwrights.

English 165. Joyce, Modernism, and Aestheticism

Catalog Number: 1827

Philip J. Fisher

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Topics include: modernism; aesthetic experience; the life of art; the city; and the moment. Centering on Joyce's *Dubliners*, *Portrait of the Artist*, and *Ulysses* but also novels by Proust, Woolf, Forster, and Kawabata.

Note: Graduate section offered.



English 165b. Conrad and V.S. Naipaul: Genealogies of the Global Imagination

Catalog Number: 1668

Homi K. Bhabha

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

The novels of Conrad and Naipaul have a particular relevance to contemporary discourses on global culture. For both writers, the experience of Empire was as much an ethical and aesthetic project as it was an economic or political venture. Our study will focus on their reflections on the problematic project of joining diverse cultures and distant territories in a global network and on the role of figurative language and fictional forms in imagining community and communication on a global scale.

[English 166. The Novel (and other Narratives) since World War II]

Catalog Number: 1874

Robert Kiely

Half course (fall term). Hours to be arranged.

A survey of postmodern experiments in several kinds of narrative, including works by Borges, Beckett, Primo Levi, Nabokov, Toni Morrison, Maxine Hong Kingston, García Márquez, Paul Monette, Pynchon, and Leslie Marmon Silko.

Note: Expected to be given in 2002–03.

English 167p. Postcolonial Narratives

Catalog Number: 2511

Sharmila Sen

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

This course is an investigation of the major concerns, paradigms, and quarrels within postcolonial literary studies. While reading authors such as Achebe, Conrad, Dabydeen, Dangarembga, Ghosh, Phillips, Rushdie, and Salih, we shall pay close attention to the continuities and the discontinuities of the postcolonial experience as represented in literary texts from Africa, the Caribbean, and South Asia.

[English 170. Puritanism in America]

Catalog Number: 8166

Sacvan Bercovitch

Half course (spring term). Hours to be arranged.

Literature and culture of 17th-century New England. A study of the aesthetic, religious, intellectual and historical dimensions of American Puritan writings, with some attention to the “Puritan legacy” and to the national culture.

Note: Expected to be given in 2002–03.

English 173b. American Poetry 1945 to Present

Catalog Number: 3680

Oren Jeremy Izenberg

Half course (spring term). Tu., Th., at 3. EXAM GROUP: 17

Readings in American poetry after World War II. Authors include Lowell, Ginsberg, Bishop, Oppen, Plath, O’Hara, Ashbery, Bidart, Grossman, Palmer, Howe and others



[English 175. American Literary Emergence]

Catalog Number: 3894

Lawrence Buell

Half course (fall term). Hours to be arranged.

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), the rise of American poetry (Whitman and Dickinson), and slave narrative (Douglass, Jacobs).

Note: Expected to be given in 2002–03.

English 175h. American History/American Fiction

Catalog Number: 8277

John Stauffer

Half course (fall term). Tu., Th., at 3. EXAM GROUP: 17

A study of American historical fiction. Readings include historical narratives and fictive reinventions, with some attention to contemporaneous historiography. Emphasis is on fiction and history as rival narrative forms, and concepts of national identity. Authors include Hawthorne, Melville, Douglass, Twain, James, Dreiser, Cather, Dos Passos, Faulkner, Doctorow, Morrison.

English 176a. American Protest Literature

Catalog Number: 4234

John Stauffer

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

An examination of protest literature in the United States from the American Revolution to the rise of Hip Hop. We explore how various modes of protest function as aesthetic, performative, rhetorical, and ideological texts within their cultural context. Texts include photographs, speeches, music (folk, jazz, rap), and writings by Thomas Paine, Garrison, Stowe, Thoreau, Whitman, Douglass, Bellamy, Ida Wells Garnet, Gilman, Goldman, McKay, Hughes, Debs, Steinbeck, Wright, Ellison, Baldwin, Lorde, Friedan, Hoffman, others.

English 178x. The American Novel from Dreiser to the end of the Century

Catalog Number: 2168

Philip J. Fisher

Half course (spring term). M., W., at 12. EXAM GROUP: 5

A survey of the 20th-century novel, its forms, patterns of ideas, techniques, cultural context, rivalry with film and radio, short story, and fact. Dreiser, *Sister Carrie*; Wharton, *The House of Mirth*; Jack London, *Stories*; Cather, *A Lost Lady*; Anderson, *Winesburg Ohio*; Hemingway, *A Farewell to Arms* and stories; Faulkner, *The Sound and the Fury* and stories; Fitzgerald, *Tender is the Night*; Ellison, *Invisible Man*; Nabokov, *Lolita*; Bellow, *Herzog*; Pynchon, *The Crying of Lot 49*; DeLillo, *White Noise*.

Note: Graduate section offered.

[English 181. Introduction to Literary Theory]

Catalog Number: 2096

Barbara E. Johnson

Half course (fall term). Hours to be arranged.



The course will focus on several recurring questions: mimesis (Plato, Auerbach, Derrida, Said), figure (Aristotle, Jakobson, Lacan), post-colonialism (du Bellay, Lévi-Strauss, Fanon, Spivak), language (Aquinas, Mallarmé, Saussure, Gates), authorship (Woolf, Foucault, Barthes, Gilbert & Gubar), media and the means of representation (Lessing, Freud, Benjamin, Moulthrop). By juxtaposing older texts with twentieth-century texts, we will analyse historical differences along with recurring questions.

Note: Expected to be given in 2002–03.

English 182b. Orality and Literacy: From Beowulf to Dylan (and beyond)

Catalog Number: 9169

Joseph C. Harris

Half course (spring term). M., W., at 12. EXAM GROUP: 5

Theories of oral literature and oral mentality; the oral/literate interface; cultures of “vocality”; media and their messages (Ong, Lord, McLuhan, etc.). Genres such as epic, ballad, spirituals, blues, and country. Special attention to Harry Smith’s *Anthology of American Folk Music*; the folk revival of the 1960s; the “No Depression” revival of the 1990s; and the African-American tradition leading to contemporary rap. Additional material by Greil Marcus, Henry Louis Gates, Jr., and the Coen brothers.

English 184. Fundamentals of Lyric Poetry

Catalog Number: 8147

Peter Sacks

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Basic elements of lyric poetry, both formal and thematic. Questions of lineation, prosody, stanzaic identity, free verse, syntax, matters of place, temporality, self-revision. Representations of poetic vocation, work, desire, history, nature, etc. Readings primarily from *The Norton Anthology of Poetry*.

[English 185b. Race and Allegory]

Catalog Number: 0337

Barbara E. Johnson

Half course (spring term). Hours to be arranged.

Allegory has been described as a “dark conceit” that hides its meaning beneath a “veil”. Yet “black” and “white” often function in Western allegorical texts as if they immediately connote “evil” and “good.” The contradiction between the “darkness” that is rhetorically privileged and the “blackness” that is often condemned cannot fail to have an impact on the development of explicit racial discourses and literary movements. We will study works by Du Bois, Harper, Larsen, Freud, Hurston, Césaire, Fanon, Baraka, and the film *Suture*.

Note: Expected to be given in 2002–03.

English 187d. American Literatures in Languages Other than English

Catalog Number: 4323

Marc Shell

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Considers literary traditions from the more than 200 language groups that have written and published in what is now the US. Special attention both to literary issues involving translation,



mixed languages, and polyglot literature and to political problems involving English Only, English Plus, and language wars. Primary non-anglophone American readings include Arabic slave narratives, Chinese short stories, French creole novels, German philosophical treatises, Spanish plays, Thai children's literature, Welsh drama, and Zúñi poetry. All readings are in bilingual facing-page format.

Note: Foreign Language credit may be possible by arrangement.

English 188b. American Literature in the Age of Transpacific Imagination

Catalog Number: 9078

Yunte Huang

Half course (fall term). M., W., at 2. EXAM GROUP: 7

A rethinking of the multicultural, polyvocal nature of American literature against the palimpsestic backdrop of American history. We envision the Pacific as the new geopolitical center of the world in the 21st century and see the US as a Pacific nation. We explore works that imagine the Pacific in the past 150 years or so, works that represent both canonical American and Asian American literature (Melville, Twain, Adams, Pound, Kingston, Cha, Mukherjee, Hagedorn).

English 189. The Novella

Catalog Number: 4246

John M. Picker

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

In their concentration of focus, their commitment to ambiguity, and the techniques they use to complicate perspective and emphasize selectivity, novellas become miniature testing grounds for many of the governing concerns of fiction of our time. Readings in primarily 19th- and 20th-century British and American texts with some Continental works as well.

[English 190. Major Critical Approaches]

Catalog Number: 0283

James Engell

Half course (fall term). Hours to be arranged.

Major critical approaches from Aristotle's *Poetics* to recent theories; efforts to analyze and define the functions of literature; social, ethical, historical, and aesthetic issues; classical heritage, Romantic theory, modernism; poststructuralism, including deconstruction and cultural critiques.

Note: Expected to be given in 2002–03. Graduate section offered.

Other courses taught by English department faculty

Afro-American Studies 130. Harlem Renaissance

Afro-American Studies 131. Afro-American Literature to the 1920s

Afro-American Studies 138z. Interracial Literature

[Comparative Literature 182. Comparative Cultures of Money]

***Comparative Literature 283. Language War: Seminar**

***Comparative Literature 285. Comparative Romantic Theory: Seminar**

***Comparative Literature 299ar (formerly *Comparative Literature 299a). Literary**



Theory: Proseminar

***Freshman Seminar 20. Jean-Jacques Rousseau**

***Freshman Seminar 33. Tragedy**

***Freshman Seminar 37. Family Sagas and the Literature of Medieval Scandinavia**

***Freshman Seminar 47. Sonnets and Sermons: Christian Religious Writing within the English Tradition**

***Freshman Seminar 68. Victorian Literature and Communications**

***Freshman Seminar 79. American Literature in English and Other Languages**

[Literature and Arts A-20. Classics in Christian Literature]

Literature and Arts A-22. Poems, Poets, Poetry

Literature and Arts A-40. Shakespeare, The Early Plays

[Literature and Arts A-41. Shakespeare, The Later Plays]

Literature and Arts A-64. American Literature and the American Environment

Literature and Arts A-72. The Enlightenment Invention of the Modern Self

***Scandinavian 200a. Introduction to Old Norse**

Scandinavian 200br. Old Norse Literature: Edda and Saga

Primarily for Graduates

***English 209. Necessary Truths: Religious Ideology and Vernacular Politics in Late Medieval England**

Catalog Number: 6160

Nicholas Watson

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

A study of the intense debate over what the unlearned must know to be saved, and its impact on the rise of vernacular Christian writing. Focuses on *Piers Plowman*, and several shorter texts.

***English 224c. Problems in Shakespearean Interpretation: Graduate Seminar**

Catalog Number: 2216

Marjorie Garber

Half course (spring term). Tu., 12–2. EXAM GROUP: 14, 15

Issues and contexts in the contemporary theory and criticism of Shakespeare. A detailed consideration of several major plays. Special attention to questions opened by new historicism, materialism, deconstruction, psychoanalysis, feminism and gender studies, cultural studies, and other ways of reading and interpreting.

***English 228y. Milton and His Contemporaries: Literature and Politics in the Era of Revolution (1629–1674): Graduate Seminar**

Catalog Number: 1277

Barbara K. Lewalski

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Milton's works, poetry and prose, examined in relation to various texts—literary, subliterate, political—which refract the experience and culture of the revolutionary era in England. Contemporary texts include the poetry of Vaughan, Herrick, the Cavaliers, and Marvell, as well as histories, sermons, political tracts, letters, and biography.



***English 234. The Poetry of John Keats: Graduate Seminar**

Catalog Number: 2514

Helen Vendler

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

A study of most of the poetry, focussing on influences, genre-changes, poetics, and the Keatsian lexicon.

***English 239. Romanticism and the Problem of History: Graduate Seminar**

Catalog Number: 2693

Ann Wierda Rowland

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This proseminar will pair major Romantic texts with important critical work around the influential question of “history” in Romantic literature and criticism.

***English 240. Poetry, Politics, and Prophecy: Graduate Seminar**

Catalog Number: 6188

James Engell

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Poetry and politics closely, publicly linked. Party politics, cultural politics, political satire.

Sexual politics, women writers. Religion and modern prophecy. Dryden, Pope, Montagu, Swift, Johnson, Burke, Wollstonecraft, Blake, and others.

Note: Open to qualified undergraduates.

***English 276x (formerly *English 90vl). African-American Literary Tradition: Graduate Seminar**

Catalog Number: 3536

Henry Louis Gates, Jr.

Half course (spring term). M., 12–2. EXAM GROUP: 5, 6

Explores the emergence and formal development of the African-American literary “tradition” from the 18th to the 20th century. Close reading of the canonical texts in the tradition and their structural relationships is stressed, as is the very idea of “tradition” itself. Authors include Phillis Wheatley, Frederick Douglass, Harriet Jacobs, Booker T. Washington, Ralph Ellison, Toni Morrison, Alice Walker, Gloria Naylor, Amiri Baraka, Gwendolyn Brooks, and others.

***English 281b. The 1930’s: Graduate Seminar**

Catalog Number: 2600

Douglas Mao

Half course (fall term). Th., at 12, Th., at 1. EXAM GROUP: 14, 15

Currently one of literary study’s hottest terrains, the Thirties crackle with unrest, catastrophe, and extraordinary innovations in form. A range of authors from proletarian to highbrow, including Auden, Woolf, Eliot, Yeats, Faulkner, Stevens, Williams.

***English 290b (formerly *English 90lp). Literature and the Philosophy of Mind: Graduate Seminar**

Catalog Number: 7350

Oren Jeremy Izenberg



Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

We will consider the mind's artifacts (principally lyric poems) alongside recent philosophical and scientific accounts of the mind itself. Topics will include: private and universal languages, the rationality of emotions, collective identity, intelligence (artificial and real), "other minds."

***English 291b. Language Disorders and the Literary Tradition: Graduate Seminar**

Catalog Number: 7688

Marc Shell

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

What is a language disorder? Who defines it? Is it a disability? We study stuttering (Moses, *Billy Budd*), accent (*Pygmalion*), perseveration (Shakespeare), semi-lingualism (*Power of Silence*), mixed languages (*Finnegans Wake*), speechlessness (*Johnny's Got His Gun*), dyslexia (Yeats), and American Sign Language as well as theoretical texts.

***English 292. Issues in the Study of American Literature: Graduate Seminar**

Catalog Number: 1618

Werner Sollors

Half course (spring term). W., 12–2. EXAM GROUP: 5, 6

Comparative readings in literature of the United States in an international context, discussions of critical and theoretical work, and an examination of pioneering and more recent literary history.

***English 293. Solitary Reading and the Theory of the Novel: Graduate Seminar**

Catalog Number: 4166

Philip J. Fisher

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A phenomenological study of novels and paintings; reading and seeing as aesthetic modes; segmented and prolonged attention; solitary and social experiences of works of art; intimacy and non-reciprocal superimposition, enchantment, occupied consciousness.

Note: Open to qualified undergraduates.

***English 294z. On Beauty: Graduate Seminar**

Catalog Number: 7277

Elaine Scarry

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Philosophic and literary accounts of beauty from Greek through modern, including Plato, Aquinas, Dante, Castiglione, Addison, Kant, Keats, Rilke. The central descriptions of beauty; the major arguments against it (e.g., the view that it disables critical judgment, hence is politically suspect); and an examination of four objects taken to be sites of beauty (God, gardens, persons, and poems).

***English 296. Descriptive and Analytical Bibliography: Graduate Seminar**

Catalog Number: 7102

Roger E. Stoddard

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

By close examination of early printed books and manuscripts from Houghton Library



collections, students learn how to identify, interpret, and describe physical bibliographical evidence as it is employed in historical research and textual studies.

***English 298. Literary Theory in the Life of Literature: Graduate Seminar**

Catalog Number: 3464

Homi K. Bhabha

Half course (spring 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.

Graduate Courses of Reading and Research

***English 300hf. Old and Middle English: Doctoral Conference**

Catalog Number: 2334

Daniel G. Donoghue 1469, Joseph C. Harris 1089, and Nicholas Watson 3851

Half course (throughout the year). Hours to be arranged.

The Conference focuses upon theses in progress and other research topics of mutual concern. Membership limited to faculty members teaching or conducting research in medieval English language and literature and to graduate students working in this field.

Note: Enrollment is open to all graduate students but is required of those who have been admitted to candidacy for the PhD and who intend to work on a medieval subject.

***English 302hf. Renaissance: Doctoral Conference**

Catalog Number: 2814

Marjorie Garber 7264, Stephen J. Greenblatt 3436, Barbara K. Lewalski 7450, and John Parker 3729

Half course (throughout the year). Alternate W., at 4:15.

The Conference focuses upon theses in progress and other research topics of mutual interest. Membership limited to faculty members teaching or conducting research in Renaissance literary studies and to graduate students working in this field who have completed required course work for the Master’s degree.

Note: Enrollment is open to all such students, and is required of those who have been admitted to candidacy for the PhD and who intend to work on Renaissance topics.

***English 304hf. The Extended 18th Century: Doctoral Conference**

Catalog Number: 6110

Leo Damrosch 2200, James Engell 8076, Lynn Festa 2331, and Leah Price 3501, and Michael Shinagel 7659

Half course (throughout the year). Hours to be arranged.

Focuses on theses, theses 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 and Robert Kiely 1621 (on leave spring term)

The Conference focuses on theses in progress and other research topics of mutual concern.

Note: Membership 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

Erik Irving Gray 3726, Oren Jeremy Izenberg 2365, Robert Kiely 1621, Douglas Mao 3727, Jesse E. Matz 2169, Leah Price 3501, and Ann Wierda Rowland 2582

Half course (throughout the year). Hours to be arranged.

***English 308hf. Drama: Doctoral Conference**

Catalog Number: 6909

Marjorie Garber 7264 and Elaine Scarry 2206

Half course (throughout the year). Hours to be arranged.

Focuses on research topics related to dramatic literature, theatre, and performance. Open to all faculty members and graduate students teaching or conducting research in the field.

***English 310hfr. American Literature and Culture: Doctoral Conference**

Catalog Number: 6235

Lawrence Buell 2655 (on leave spring term), Elisa New 2428 (on leave spring term), and Werner Sollors 7424

Half course (throughout the year). Hours to be arranged.

Colloquium open to all graduate students working in the area of American literature and culture.

Papers delivered by students writing seminar papers or theses, faculty members, and visiting scholars.

***English 311 (formerly *English 311hf). The Teaching of Literature: Doctoral Conference**

Catalog Number: 8208

Marjorie Garber 7264, Douglas Mao 3727 and staff

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Note: Open to all graduate students and required of all third-year graduate students.

***English 314hf. 20th-Century Literature and Cultural Theory: Doctoral Conference**

Catalog Number: 1410

Homi K. Bhaba 4100, Barbara E. Johnson 7626, and Sharmila Sen 2509 (on leave spring term)

Half course (throughout the year). Hours to be arranged. EXAM GROUP: 7, 8, 9

This colloquium is open to all graduate students and faculty working in 20th-century literature and cultural theory. Topics include African-American literature, contemporary literature, drama, film and/or performance, modernism, literary and cultural theory, postcolonial studies, and postmodernism. Work in progress, as well as dissertation chapters and potential articles and conference papers, will be encouraged.



***English 397. Directed Study**

Catalog Number: 6588

Members of the Department

***English 398. Direction of Doctoral Dissertations**

Catalog Number: 5968

Sacvan Bercovitch 7638 (on leave fall term), Homi K. Bhabha 4100 (on leave fall term), Robert Brustein 7042 (on leave 2002-03), Lawrence Buell 2655 (on leave spring term), Leo Damrosch 2200 (on leave fall term), Daniel G. Donoghue 1469, James Engell 8076, Philip J. Fisher 1470, Marjorie Garber 7264, Henry Louis Gates, Jr. 2899, Jorie Graham 2358, Stephen J. Greenblatt 3436, Joseph C. Harris 1089, Barbara E. Johnson 7626 (on leave 2001-02), Walter Kaiser 2561 (on leave 2001-02), Robert Kiely 1621 (on leave spring term), Barbara K. Lewalski 7450, Elisa New 2428 (on leave spring term), Derek A. Pearsall 1093, Peter Sacks 2161, Elaine Scarry 2206, Marc Shell 3176, Michael Shinagel 7659, Werner Sollors 7424, John Stauffer 1006, Helen Vendler 7226 (on leave spring term), and Nicholas Watson 3851

Note: Normally limited to students reading specifically in the field of a proposed doctoral thesis. 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

Note: Conducted through regular conferences and assigned writing. Limited to students reading specifically on topics not covered in regular courses. Open only by petition to the Department; petitions should be presented during the term preceding enrollment, and must be signed by the instructor with whom the reading is to be done. All applicants for admission should first confer with the Director of Graduate Studies.

Environmental Science and Public Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Environmental Science and Public Policy

James J. McCarthy, Alexander Agassiz Professor of Biological Oceanography in the Museum of Comparative Zoology (*Chair, Head Tutor*) (on leave fall term)

William C. Clark, Sidney Harman Professor of International Science, Public Policy, and Human Development (*Kennedy School*)

Göran Ekström, Professor of Geology and Geophysics



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 (*on leave spring term*)

John P. Holdren, Teresa and John Heinz Professor of Environmental Policy (*Kennedy School*)

Sheila S. Jasanoff, Professor of Science and Public Policy (*Kennedy School, Public Health*)

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies

Daniel P. Schrag, Associate of Pforzheimer House, Professor of Earth and Planetary Sciences (*on leave spring term*)

Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)

Other Faculty Offering Instruction in Environmental Science and Public Policy

Stephen T. Curwood, Visiting Lecturer on Environmental Science and Public Policy

Henry Ehrenreich, Clowes Research Professor of Science

Paul R. Epstein

James S. Hoyte, Lecturer on Environmental Science and Public Policy

The concentration in Environmental Science and Public Policy is administered by the Department of Earth and Planetary Sciences. It is overseen by a Standing Committee functioning as a Board of Tutors including representatives from other 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. Science, Policy and Environmental Management

Catalog Number: 6383

David Cash and William C. Clark (Kennedy School)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course provides an introductory survey of topics at the nexus of environmental and natural resource science and policy. Using multiple disciplinary lenses (e.g., political science, economics, anthropology, science studies, biology, chemistry, physics, earth and planetary sciences, etc.), this course will examine a variety of domestic and international issues (e.g., energy, pollution, ecosystem resources, global environmental change and sustainability.) Students will investigate a range of methodologies, conceptual frameworks, and scientific and



policy tools, and apply them to a series of in-depth case analyses to understand and assess legal, institutional, economic, scientific, and cultural dimensions of human-environment interactions.

Environmental Science and Public Policy 78. Environmental Politics

Catalog Number: 3613

Myanna H. Lahsen

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. Course examines the political implications of shifts in emphasis from nature protection to pollution control to sustainability over the 20th century. Of central interest is the relationship between scientific knowledge, uncertainty, and legal or political action. Theoretical approaches from law, political science, and science studies are combined with investigations of major episodes and controversies in environmental policymaking.

Note: Offered jointly with the Kennedy School as [ENR-207].

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. Public Communication and the Science and Politics of Global Climate Change**

Catalog Number: 2189

Michael B. McElroy and Stephen T. Curwood

Half course (fall term). Tu., 1:30–4. EXAM GROUP: 15, 16, 17

The Kyoto Protocol of 1997 set binding limits on greenhouse gas emissions, though many nations, including the United States, have yet to ratify this accord. Meanwhile, the scientific evidence of human-induced climate change continues to emerge amid some controversy, with indications that global warming and other potentially catastrophic climate changes may already be underway. What is this scientific evidence, and how is it being communicated to the public and policy makers? How should the United States respond to international efforts to mitigate climate change? Led by a scientist and a journalist, the seminar will explore scientific, diplomatic, and public communication methods driving the global climate change debate.

***Environmental Science and Public Policy 90c. Ecology and Land-Use Planning**

Catalog Number: 3792

Richard T. T. Forman (Design School)

Half course (spring term). Tu., 2–5:15, with intensive field study, including a required one-week field study, plus a one-day field study. EXAM GROUP: 16, 17, 18

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). Tu., 4–6. EXAM GROUP: 18

Examines the influences of race, socioeconomic status, and interest group politics in the formulation and implementation of U.S. 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 of Government as ENR-205.

***Environmental Science and Public Policy 90e (formerly *Environmental Science and Public Policy 90ehf). Conservation Biology**

Catalog Number: 6879

Manuel Lerda

Half course (spring term). M., 2:30–5:30. EXAM GROUP: 7, 8, 9

Conservation biology strives to describe, understand, and preserve populations, communities, and ecosystems by applying ecological principles within the context of human activities. Much of the effort of conservation biologists has been dedicated toward saving rare species. There is growing recognition, however, that one of the major challenges facing conservation biologists comes from species that are able to establish and colonize areas to which they are not native. This course will explore these invasive species from the perspectives of their biologies, their impacts on communities and ecosystems, and their relationships with human activities such as suburbanization, deforestation, and economic globalization.

Note: There will be local field trips within New England.

***Environmental Science and Public Policy 90f. Global Change and Human Health**

Catalog Number: 4434

Paul R. Epstein and James J. McCarthy

Half course (spring term). W., 2:30–5. EXAM GROUP: 7, 8, 9

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 will explore hypothesized linkages between changes in ecosystems, climate, and the epidemiology of certain infectious diseases.

***Environmental Science and Public Policy 90h. Alternative Energy Potential**

Catalog Number: 2284

Henry Ehrenreich

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7, 8

Examines alternative energy options such as photovoltaic and wind within the environmental context of conventional fossil and nuclear based sources. Begins with an elementary exposition



of needed energy and thermodynamic concepts, which assumes no previous exposure to physics, and a brief historical survey of energy use in relation to economic and social needs. Emphasizes the potential and problems of alternative energy sources through lectures, readings, class presentations, and discussions.

[*Environmental Science and Public Policy 90i. Population and The Human Condition]

Catalog Number: 9228

John P. Holdren (Kennedy School) and Daniel P. Schrag

Half course (spring term). Hours to be arranged.

How does the human population—its size, growth rate, age composition, and geographic distribution—influence problems of resources, environment, and development and the prospects for solving them? How many people can the world support? Population variables interact with economic and technological ones in generating pressures on resources and environment, and all these variables and their interactions are shaped by social and political as well as economic forces. This seminar explores what is known, supposed, and (diversely) contended about the relation between population and the human condition—past and future—bringing to bear historical data, scenarios of future possibilities, and a variety of disciplinary and interdisciplinary perspectives.

Note: Expected to be given in 2002–03.

[*Environmental Science and Public Policy 90k. Environment and National Security]

Catalog Number: 4242

Michael B. McElroy and Stephen T. Curwood

Half course (fall term). Hours to be arranged.

This seminar will explore environmental issues affecting the national security of the United States. We begin with a review of the report “A National Security Strategy for a New Century” submitted by the White House to Congress in December 1999. Topics to be discussed in the seminar include climate change, pollution of air and water, shortages in supply of fresh water, short-falls in food production and depletion of natural resources with particular emphasis on trends currently underway in poor and developing countries. National security interests of the United States are particularly sensitive to developments in the Middle East, Russia, China, South Asia, East Asia and the Central Asian Republics but are not confined to these regions. As we shall discuss, environmental stress anywhere can have unanticipated consequences far removed from its source. We live in a global society: problems of human health or economic security or environmental security cannot be easily limited by restrictions imposed at national borders.

Note: Expected to be given in 2002–03.

***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. Signature of the Head Tutor required for enrollment.

European Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on European Studies

Peter A. Hall, Harvard College Professor and Frank G. Thomson Professor of Government
(*Chair*)

Suzanne Berger, Associate of the Center for European Studies

David Blackburn, Coolidge Professor of History

Peter J. Burgard, Professor of German

Pepper Dagenhart Culpepper, Assistant Professor of Public Policy (*Kennedy School*) (*Kennedy School*)

Grzegorz Ekiert, Professor of Government (*on leave 2001-02*)

Laura Frader, Associate of the Center for European Studies

Guido G. Goldman, Associate of the Center for European Studies

Peter Eli Gordon, Assistant Professor of History and of Social Studies (*on leave 2002-03*)

Patrice Higonnet, Robert Walton Goelet Professor of French History

Stanley Hoffmann, Paul and Catherine Battenwieser University Professor

Richard M. Hunt, Senior Lecturer on Social Studies

Torben Iversen, Professor of Government

Charles S. Maier, Krupp Foundation Professor of European Studies

Andrew Moravcsik, Professor of Government

Susan Pedersen, Professor of History

Paul Pierson, Professor of Government

Louise M. Richardson

George Ross, Associate of the Center for European Studies



Cindy Skach, Assistant Professor of Government

Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology (*on leave spring term*)

Tony Smith, Associate in the Center for European Studies

Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History (*on leave fall term*)

The Standing Committee on European Studies is the formal oversight body for the Minda de Gunzberg Center for European Studies. It is comprised of those permanent faculty members who have their 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 economy and political theory and diverse approaches to cultural studies. Its geographical 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 working in close affiliation with resident faculty members. At the same time, the Center supports several study groups, some organized by country, others by topic, that maintain a full schedule of seminars and presentations by visiting scholars and speakers from the world of public affairs. In 1989, CES was chosen by the Federal Republic of Germany to receive significant support for a ten-year program for the study of Germany and Europe, which currently continues under the Center's own funding. It also participates in an interdisciplinary program for the study of modern France and together with representatives from the Law School, the John F. Kennedy School of Government, and the Weatherhead Center for International Affairs, is a constituent partner in the European Union Center at Harvard University. The Center has always sought to cooperate with other Boston area universities, and MIT representatives and students have had an institutional connection from its outset.

Expository Writing

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Subcommittee on Expository Writing

Susan Pedersen, Professor of History (*Chair*)

Peter Buck, Senior Lecturer on the History of Science



Leo Damrosch, Harvard College Professor and the Ernest Bernbaum Professor of Literature (*on leave fall term*)

Patrick K. Ford, Margaret Brooks Robinson Professor of Celtic Languages and Literatures

Anne Harrington, Professor of the History of Science (*on leave spring term*)

Gordon C. Harvey, Senior Preceptor in Expository Writing and Associate Director of Expository Writing (*ex officio*)

Stephen M. Kosslyn, John Lindsley Professor of Psychology

Susan W. Lewis, Director of the Core Program and Director of the Freshman Seminars, General Education, and House Seminars (*ex officio*)

Barry C. Mazur, Gerhard Gade University Professor

Elizabeth Studley Nathans, Dean of Freshmen (*ex officio*)

Nancy Sommers, Senior Lecturer in Expository Writing and Sosland Director of Expository Writing (*ex officio*)

James Wilkinson, Lecturer on History and Literature

Jeffrey Wolcowitz, Senior Lecturer on Economics and Associate Dean for Undergraduate Education (*ex officio*)

Other Faculty Offering Instruction in the Expository Writing Program

Christine Edwards Allred, Assistant Senior Tutor in Pforzheimer House, Preceptor in Expository Writing

Joshua Manuel Barkan, Preceptor in Expository Writing

Patricia M. Bellanca, Preceptor in Expository Writing (*on leave fall term*)

Nancy Ellen Bernhard, Preceptor in Expository Writing

Daniel H. Bosch, Preceptor in Expository Writing

Michael A. Brown, Preceptor in Expository Writing

Christopher P. Bush, Preceptor in Expository Writing

Kathryn Ann Chadbourne, Lecturer on Celtic Languages and Literatures

Kim Cooper, Preceptor in Expository Writing

Michele D. Cotton, Preceptor in Expository Writing

Jeremy Fantl, Preceptor in Expository Writing

Mark Gaipa, Preceptor in Expository Writing

Faye S. Halpern, Preceptor in Expository Writing

Paul L. Harding, Preceptor in Expository Writing

Gordon C. Harvey, Senior Preceptor in Expository Writing and Associate Director of Expository Writing

Karen Leigh Heath, Preceptor in Expository Writing

Charles W.M. Henebry, Preceptor in Expository Writing

Thomas R. Jehn, Preceptor in Expository Writing

Jeannine Johnson, Preceptor in Expository Writing

Patricia Kain, Senior Preceptor in Expository Writing

Ann Keniston, Preceptor in Expository Writing

Soo La Kim, Preceptor in Expository Writing

Katherine J. Milligan, Preceptor in Expository Writing

Judith A. Murciano, Preceptor in Expository Writing

Mohammad Nezam-Mafi, Preceptor in Expository Writing



Emily D. O'Brien, Preceptor in Expository Writing
 Lisa Ratmanský, Preceptor in Expository Writing
 Maxine Rodburg, Senior Preceptor in Expository Writing and Director of the Writing Center
 Augusta Rohrbach, Preceptor in Expository Writing
 Julia B. Rosenbaum,
 Jane A. Rosenzweig, Preceptor in Expository Writing
 Eliezer Hava Schaffzin, Preceptor in Expository Writing
 Steve Shoemaker, Preceptor in Expository Writing
 Cheryl Colleen Smith, Preceptor in Expository Writing
 Nancy Sommers, Senior Lecturer in Expository Writing and Sosland Director of Expository Writing
 Janet H. Sylvester, Preceptor in Expository Writing
 Thaddeus F. Tuleja, Preceptor in Expository Writing
 Thomas Andrew Underwood, Preceptor in Expository Writing
 Eric A. Weinberger, Preceptor in Expository Writing
 Suzanne H. Young, 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. No Expository Writing courses have midterm or final examinations.

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). Hours to be arranged.

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, lively essays. Students read essays, articles, and short stories and receive a great deal of individual attention.

Note: A limited enrollment elective. 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). Hours to be arranged.

Aims to improve each student's ability to discover and reason about evidence through the medium of essays. Since writing requires an intellectual occasion and familiarity with some subject, each section focuses on a particular theme or topic, as described in the *Guide to Expository Courses and Registration* (available from the Expository Writing office). All sections give students experience in formulating questions; analyzing both primary and secondary sources, and properly acknowledging them; supporting assertions with strong and detailed evidence; and shaping clear, lively essays. All sections emphasize revision.



Expository Writing 52. Style and Styles in Prose

Catalog Number: 0674

Gordon C. Harvey and staff

Half course (spring term). Hours to be arranged. EXAM GROUP: 16

For students who have completed Expository Writing 20 and wish to continue thinking about the art of writing and about the style of their own prose. Readings include pieces by distinctive stylists past and present: Bacon, Browne, Johnson, Emerson, Dickinson, Twaine, Lawrence, Woolf, Orwell, Baldwin, Didion, Gass and others—including contemporary journalists and professors. Class discussions consider the technique of particular sentences and passages, and ponder fundamental but sometimes ambiguous concepts like clarity, voice, vividness, cliché, rhythm, “academic” style. Students attend regular one-on-one conferences on their own writing.

Note: Graduate students may be admitted by permission of the instructor, but this is *not* a course on academic composition or on English grammar.

Folklore and Mythology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Members of the Steering Committee on Degrees in Folklore and Mythology

Stephen A. Mitchell, Professor of Scandinavian and Folklore (*Chair*)

Patrick K. Ford, Margaret Brooks Robinson Professor of Celtic Languages and Literatures

Deborah D. Foster, Senior Lecturer on Folklore and Mythology (*Head Tutor*)

Joseph C. Harris, Professor of English and Folklore

Michael Herzfeld, Professor of Anthropology (*on leave spring term*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Kimberley C. Patton, Assistant Professor in the Comparative and Historical Study of Religion (*Divinity School*)

James R. Russell, Mashtots Professor of Armenian Studies

Maria Tatar, Harvard College Professor and John L. Loeb Professor of Germanic Languages and Literatures

Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies

Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

Affiliated Members of the Committee on Degrees in Folklore and Mythology

Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures (*on leave fall term*)

Barbara L. Hillers, Assistant Professor of Celtic Languages and Literatures



Yunte Huang, Assistant Professor of English and American Literature and Language (*on leave spring term*)

Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian 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 (*on leave spring term*)

J. Lorand Matory, Professor of Anthropology and of Afro-American Studies (*on leave spring term*)

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking

John E. Murdoch, Professor of the History of Science

Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music

Lawrence E. Sullivan, Professor of the History of Religions (*Divinity School*)

Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History

Mary C. Waters, Harvard College Professor and Professor of Sociology

Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature (*on leave spring term*)

Michael Witzel, Wales Professor of Sanskrit

Tutorials in Folklore and Mythology

Primarily for Undergraduates

***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, this course is available only to concentrators in Folklore and Mythology.

Note: To enroll, 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 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 of the Chairman of the Committee on Degrees in Folklore and Mythology must be obtained. Normally, this course is taken in the second semester 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 of the Chairman of the Committee on Degrees in Folklore and Mythology must be obtained.

Comparative and Methodological

For Undergraduates and Graduates

***Folklore and Mythology 103. Oral Literature**

Catalog Number: 5039 Enrollment: Limited to 12.

Stephen A. Mitchell

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Surveys major forms of folklore (e.g., myths, legends, epics) and the theoretical approaches used in their study (e.g., performance studies, structuralism, cultural studies). Focuses on issues of orality and literacy, performance, transmission, and interpretation. Analyzes how folklore shapes national, regional, and ethnic identities, as well as daily life and the identities of sub-groups (e.g., sports teams, workers, members of a religion), and considers the function of folklore within the communities that perform and use it.

Note: Required of all concentrators.

[*Folklore and Mythology 104. Theory and Methodology of Folklore and Mythology]

Catalog Number: 3311 Enrollment: Limited to 12; as part of tutorial program, limited to concentrators.

Joseph C. Harris

Half course (fall term). Hours to be arranged.

Introduction to the development of folklore and mythology as fields of study, with particular attention to the methodological approaches suited to their areas of enquiry. Surveys the study of folklore and mythology in the 19th and early 20th centuries, but focuses on theoretical contributions to the study of folklore, mythology, and oral literature in recent decades.

Note: Expected to be given in 2002–03. Expected to be omitted in 2003–04.

[*Folklore and Mythology 105. Fieldwork and Ethnography in Folklore]

Catalog Number: 3789 Enrollment: Limited to 12; as part of tutorial program, preference given to concentrators.

Deborah D. Foster

Half course (spring term). Hours to be arranged.

Interpretation of culture: issues and problems of ethnography. Examines problems of cultural interpretation that arise in the context of fieldwork. Both ethnographic and theoretical readings serve as the material for class discussion and the foundation for experimental ethnographic projects.

Note: Expected to be given in 2002–03. Required of all concentrators.

[*Folklore and Mythology 107a. Witchcraft from Paganism to the Early Modern Era]

Catalog Number: 0526

Stephen A. Mitchell

Half course (fall term). Hours to be arranged.



Reviews witchcraft in pagan, medieval and early modern Europe (ca.400-1700). Examines pagan survivals in post-Conversion Europe; the collaborative construction of “witchcraft” through Church doctrine, demonological writings, and non-elite belief systems; the place of the “Devil’s Pact” and heretical beliefs; and the witch-hunts of the 16th and 17th centuries.

Note: Expected to be given in 2002–03.

[*Folklore and Mythology 107b. Witchcraft from “The Burning Times” to the Present]

Catalog Number: 3584

Stephen A. Mitchell

Half course (spring term). Hours to be arranged.

Considers witchcraft from the Reformation to the present. Examines the persecutions of the early modern era (emphasizing the late 17th-century); the effects of the Enlightenment; the role of “cunning folk”; the portrayal of witches in film, fiction and folklore; the historical roots of goddess worship and other forms of neo-paganism; witchcraft as a spiritual path (e.g., Wicca); and the character of the reaction against neo-paganism.

Note: Expected to be given in 2002–03.

Prerequisite: Folklore and Mythology 107a is highly recommended. In the event of a lottery, those who have taken the first term will be given preference.

Cross-listed Courses

[Anthropology 105. Food and Culture](#)

[\[Anthropology 274. Sovereignty, Ethnicity, and Pluralism\]](#)

[Anthropology 278 \(formerly Anthropology 183\). The Charisma of Saints, and the Cults of Relics, Amulets, Images, and Shrines](#)

[\[*Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar\]](#)

[\[Medieval Latin 117. Fairy Tales and Their Tellers in the Middle Ages\]](#)

[Social Analysis 28. Culture, Illness, and Healing: A Cross-Cultural Comparison of Medicine in Society](#)

[Sociology 60. Race and Ethnic Relations](#)

Special Field Courses

For Undergraduates and Graduates

[Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance as a Medium of Cultural and Personal Meaning](#)

Catalog Number: 7982 Enrollment: Limited to 16.

Deborah D. Foster

Half course (fall term). M., 2–5. EXAM GROUP: 7, 8, 9

This course will examine the ways in which the dancing body is both a site of personal experience and a sign of cultural meaning. By observing dance performances (live and on film), participating in dance workshops, and reading ethnographic and theoretical texts, we will attempt to come to understand the emergent meaning of dance performances, from the perspective of both dancer and observer.



Folklore and Mythology 115. The African Oral Narrative Tradition

Catalog Number: 5663

Deborah D. Foster

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Introduction to African oral narratives, focusing on the nature of orality and performance. Examines the way in which symbol and metaphor work in oral art forms; considers methods of analysis of oral narrative, including structuralism, semiotics, and performance theory; investigates the function of the creative and destructive trickster figure; and explores the oral residue in African novels and plays.

Folklore and Mythology 140. Spells, Scrolls, and Saints: Armenian Folk Religion

Catalog Number: 7587

James R. Russell

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A historical and comparative survey of the religious beliefs and practices of the Armenian Christian nation, with reference to their Anatolian, Iranian, Christian, and Muslim aspects. Topics covered include the cult of saints, pilgrimages and veneration of sacred places, prayers, spells, magical and talismanic literature, vernacular transmission of canonical texts, and seasonal festivals.

***Folklore and Mythology 166. Witchcraft and Hostile Magic in the Later Middle Ages**

Catalog Number: 0787

Stephen A. Mitchell

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Focuses on folk beliefs and learned theories concerning magic in the period 1200–1500, and on the redefinition of ‘witchcraft’ as ‘diabolism.’ Surveys relevant literary, judicial, and ecclesiastical texts and archaeological sources, and explores a variety of theoretical approaches (e.g. gender, philology, comparative); emphasis is on northern Europe (e.g. England, Scandinavia), although other tradition areas considered as well.

***Folklore and Mythology 191r. Supervised Reading and Research**

Catalog Number: 3255

Stephen A. Mitchell 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

[Afro-American Studies 141 (formerly Anthropology 157). Afro-Atlantic Religions]

Akkadian 144. Akkadian Divination Texts

[Ancient Near East 127. Prophecy in Ancient Israel]

Anthropology 184. Ethnicity in the Americas: The Indian Question

[Armenian Studies 100. Armenian Epic]

[Celtic 106. Folklore of Ireland]

Celtic 113. Gaelic Women’s Poetry

Celtic 114. Early Irish Historical Tales



[Celtic 138r. The Mabinogi](#)

[Celtic 150. Celtic Paganism](#)

[Celtic 184. Early Irish Literature]

[Celtic 225a. Introduction to Middle Welsh]

[Celtic 225b. Continuing Middle Welsh]

[Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200–300 BCE]

[English 182b. Orality and Literacy: From Beowulf to Dylan \(and beyond\)](#)

[Foreign Cultures 78. Culture-Building and the Emergence of Modern Scandinavia]

[German 126. The Brothers Grimm and Their Cultural Legacy](#)

[Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar]

[Japanese History 116a. History of Japanese Religions: Conference Course](#)

[Japanese History 116b. History of Japanese Religions: Conference Course](#)

[Literature and Arts A-68. Poets and Poetry in the Celtic Literary Tradition]

[Literature and Arts A-78. The Vikings and the Nordic Heroic Tradition](#)

[Literature and Arts C-14. The Concept 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-22. European Culture in the Middle Ages](#)

[Literature and Arts C-37. The Bible and Its Interpreters]

[Modern Greek 200. Approaches to Modern Greek Oral Literature](#)

[*Music 190rr. Proseminar: Topics in World Music](#)

[Music 194r (formerly Music 190r). Special Topics: Proseminar]

[Music 208r. Ethnomusicology: Seminar](#)

[*Scandinavian 200a. Introduction to Old Norse](#)

[Scandinavian 200br. Old Norse Literature: Edda and Saga](#)

Germanic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Germanic Languages and Literatures

Eric Rentschler, Professor of German (*Chair*)

Peter J. Burgard, Professor of German (*Director of Graduate Studies*)

Karl S. Guthke, Kuno Francke Professor of German Art and Culture

Annette Johansson-Los, Preceptor in Scandinavian

Kristin Kopp, Assistant Professor of German (*Head Tutor, German*)

Charles P. Lutcavage, Senior Preceptor in German (*Coordinator of Language Instruction*)



Stephen A. Mitchell, Professor of Scandinavian and Folklore (*Head Tutor, Scandinavian*)

Sylvia Rieger, Preceptor in German

Judith Ryan, Harvard College Professor and Robert K. and Dale J. Weary Professor of German and Comparative Literature (*on leave fall term*)

Eckehard Simon, Victor S. Thomas Professor of Germanic Languages and Literatures

Maria Tatar, Harvard College Professor and John L. Loeb Professor of Germanic Languages and Literatures

Other Faculty Offering Instruction in the Department of Germanic Languages and Literatures

Joseph C. Harris, Professor of English and Folklore

Jay H. Jasanoff, Diebold Professor of Indo-European Linguistics and Philology (*on leave spring term*)

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.

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 and staff

Full course (indivisible). M. through Th., sections at 9, 10, 11, or 12. EXAM GROUP: 6

A thorough introduction to the fundamentals of German designed for students with little or no knowledge of the language. The focus is on all four skills—speaking, listening, reading, and writing—with the goal of acquiring the fluency necessary for basic communication in a German-speaking country. The second half of the course includes short literary pieces by such authors as Goethe, Kafka, and Brecht.

Note: The first half of this course may not be taken as a half course for credit toward the A.B. degree; there are no exceptions to this rule. The hour exam for this course will be held from 8 to 9 a.m. during the fall and spring terms. Not open to auditors.

***German Bab. Elementary German (Intensive)**

Catalog Number: 8629

Sylvia Rieger and staff

Full course (fall term; repeated spring term). M. through F., at 9 or 12; and an additional hour to be arranged on Mondays. EXAM GROUP: 2, 11

A complete first-year course in one semester 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, films, and Internet exercises.

Note: Open to undergraduates. Open to graduate students only with permission of the instructor. Students planning to enroll are required to sign up for the course with Dr. Rieger at the German department before the start of the term. May not be taken Pass/Fail; not open to auditors.

German Da. Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 5779

Charles P. Lutcavage and staff

Half course (fall term; repeated spring term). Fall term: M., W., F., sections at 9, 10, 11, or 12.

Spring term: M., W., F., at 9. EXAM GROUP: 2

Conversation and writing activities based on a variety of reading materials (short stories, poems, current events, and a detective drama). Authors include Brecht, Böll, Dürrenmatt, and others. Video, film, and the Internet provide further topics for discussion. Course offers a review of grammar with exercises in vocabulary-building.

Note: Conducted in German. Not open to auditors.

German Db. Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 2608

Charles P. Lutcavage and staff

Half course (spring term). M., W., F., sections at 9, 10, 11, or 12. EXAM GROUP: 2

Continuation of German Da. Reading material includes journalistic and political writings, as well as literary works by Dürrenmatt, Kafka, Böll, and others. Additional topics include German unification, Berlin, and current events. Grammar review, vocabulary-building, film, and video are an integral part of the course.

Note: Conducted in German. 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 (spring term). M., W., sections at 4–5:30 or 5–6:30. 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. Masterpieces of 19th-Century German Literature

Catalog Number: 3213

Sylvia Rieger

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course introduces students to fiction, poetry, and drama of the 19th century. We will study representative authors of this epoch within the framework of major historical developments, social contexts, and central literary “movements.” Through close readings of texts in a variety of



literary genres by such authors as Tieck, Hoffmann, Bettina von Arnim, Büchner, Heine, Droste-Hülshoff, Stifter, Hauptmann, Fontane, and Thomas Mann, the course aims at improving reading competence.

Note: Conducted in German.

Prerequisite: Satisfaction of the language requirement, equivalent preparation, or permission of the instructor.

German 50b. Masterpieces of 20th-Century German Literature

Catalog Number: 5412

Sylvia Rieger

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

In this course we will study influential literary works, films, and main “periods” of the 20th century in their historical framework. Through close readings of works by Schnitzler, Freud, Lasker-Schüler, Celan, Walser, Wolf, Jelinek, Schulze, and others, the course aims at improving writing and reading competence. Films by Lang, Herzog, Fassbinder, Dörrie, Wenders, Tykwer, Arslan, and others.

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 60 (formerly German 60a). Berlin Since 1989: An Advanced Reading, Writing, and Conversation Course

Catalog Number: 1807

Sylvia Rieger

Half course (fall term). M., W., F., sections at 10 or 12. EXAM GROUP: 3

Using a broad array of literary and non-literary texts, we will look at the changes that have shaped Berlin since 1989. Topics of discussion include politics in the unified capital, architectural metamorphoses, east-west German relations, minorities, film portrayals of Berlin, and the theater and music scene. Materials drawn from Internet and hyper-multimedia resources. Strong class participation expected and encouraged in the form of group projects.

Note: Conducted in German. Pass/Fail option not available.

Prerequisite: An honor grade in German C, German D, Foreign Cultures 23, or permission of the instructor.

German 65. Wirtschaftsdeutsch

Catalog Number: 2678

Charles P. Lutcavage

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

An advanced language course that focuses on communication and writing skills for a business environment. Attention to specialized vocabulary as well as cultural and political issues (e.g., German unification and the European Union) relevant to conducting business in the German-speaking world. Writing practice includes business correspondence and job applications. Articles from the German-language press together with videos and the Internet provide an up-to-date look at the contemporary economic and business scene in Germany, Austria, and the rest of Europe.

Note: Conducted in German. Pass/Fail option not available. Not open to auditors.

Prerequisite: German 60a, equivalent preparation, or permission of the instructor.



***German 91r. Supervised Reading and Research**

Catalog Number: 1059

Kristin Kopp 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 Head Tutor is required.

***German 97hf. Tutorial — Sophomore Year**

Catalog Number: 1774

Sylvia Rieger

Half course (throughout the year). Hours to be arranged.

Introduction to German literary and cultural history and to the analysis of poetry, drama, narrative, film, and painting.

Note: Required of all concentrators.

***German 99. Tutorial — Senior Year**

Catalog Number: 3286

Kristin Kopp 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 Head Tutor is required.

Cross-listed Courses

***Freshman Seminar 35. "Are We Alone?": The Idea of Extraterrestrial Intelligence from the Scientific Revolution to Modern Science Fiction**
Yiddish A. Elementary Yiddish

For Undergraduates and Graduates

[German 110. Baroque]

Catalog Number: 8078

Peter J. Burgard

Half course (fall term). Hours to be arranged.

Examines the literature and poetics of the German Baroque as well as the art of the European Baroque. Discussions of poetry, drama, and narrative address not only general questions of historical context and literary form, but also issues specific to the age. Focuses on questions of identity and excess, which are introduced via consideration of European Baroque art. Readings include Fleming, Greiffenberg, Grimmelshausen, Gryphius, Harsdörffer, Hofmannswaldau, Kuhlmann, Logau, Lohenstein, Opitz, Silesius, Zesen. Artists considered include Bernini, Borromini, Caravaggio, Carracci, Rubens, Velázquez.

Note: Expected to be given in 2003–04. Readings in German, discussions in English.

[German 120. The Age of Goethe]

Catalog Number: 5099

Karl S. Guthke



Half course (spring term). Hours to be arranged.

Major writers and movements from the middle of the 18th to the beginning of the 19th century. Lessing, Herder, Goethe, Schiller, and others. Reading list is flexible to accommodate students' needs and interests.

Note: Expected to be given in 2002–03. Readings in German, lectures and discussions in English.

German 126. The Brothers Grimm and Their Cultural Legacy

Catalog Number: 6162

Maria Tatar

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the folktales collected and edited by the Brothers Grimm and explores the dissemination of the tales in literary cultures. We will also investigate interpretive approaches to the stories, study psychological effects, and consider other national collections, along with the rich visual culture associated with fairy tales.

Note: Expected to be omitted in 2002–03. Readings in German, discussions in English.

German 147. Nietzsche

Catalog Number: 6994

Peter J. Burgard

Half course (spring term). Th., 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*, *Ecce Homo*, and *The Will to Power*.

Note: Expected to be omitted in 2002–03. 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 of Freud's major works (in translation) and discussion of the questions they raise for life today, for our concept of culture, and for the way we understand ourselves. Readings include *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*, *Beyond the Pleasure Principle*, *Group Psychology and the Analysis of the Ego*, *The Ego and the Id*, *Civilization and Its Discontents*, and various of his lectures, essays, and case studies.

Note: Expected to be given in 2002–03. No knowledge of German required. All readings and discussions in English; German concentrators read the majority of texts in the original.

[German 154. Introduction to German Film Studies]

Catalog Number: 5782

Eric Rentschler

Half course (fall term). Hours to be arranged.

An intensive introduction to the study of German film, the course offers in equal measure survey



appreciations of German film history as well as in-depth analyses of representative film texts. We will consider film's relationships to literature and the other arts, questions of narrative, genre, and authorship as well as the dynamic interactions between film history and social history. We will also open films up to perspectives offered by classical and contemporary film theorists and critics. Films to be studied include representative features and documentaries by Wiene, Lang, Murnau, Pabst, Riefenstahl, Staudte, Fassbinder, Herzog, Wenders, Dörrie, and others. *Note:* Expected to be given in 2002–03. No knowledge of German required. All readings and discussions in English.

German 170. Goethe's *Faust*

Catalog Number: 1246

Karl S. Guthke

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Close analytical reading of parts I and II in the context of cultural and intellectual history. Major controversies over the interpretation of significant features of the work will be discussed.

Note: Expected to be omitted in 2002-03. Readings in German, discussions in English.

[German 182. Modern Drama]

Catalog Number: 9310

Peter J. Burgard

Half course (fall term). Hours to be arranged.

Examines modern drama from Ibsen to Jelinek, tracing its structural transformations and devoting particular attention to the changing relation between the dramatic text, the idea of theater, and the stage itself. Works by Ibsen, Schnitzler, Kaiser, Pirandello, Brecht, Ionesco, Artaud, Beckett, Dürrenmatt, Handke, Weiss, Müller, Wilson, and Jelinek.

Note: Expected to be given in 2002–03. No knowledge of German required. All readings and discussions in English; German concentrators read the majority of texts in the original.

[German 190. The Modern German Novel]

Catalog Number: 4870

Judith Ryan

Half course (fall term). Hours to be arranged.

Explores the fictional representation of German social reality during the period 1900–1933. Examines the interaction of family and national traditions, individual psychology and the modern technological world, artistic production and political forces, male and female modes of identity formation, nostalgia for home and the pull of the exotic. Authors treated include Thomas Mann, Gabriele Reuter, Hermann Hesse, Franziska zu Reventlow, Hermann Broch, and Arnold Zweig.

Note: Expected to be given in 2003–04. Readings in German, discussions in English.

German 193. Stylistic Studies and Expository Writing

Catalog Number: 6370

Karl S. Guthke

Half course (spring term). W., 4–6. EXAM GROUP: 8, 9

Close analysis and informal discussion of the style and significance of very short keynote literary and cultural texts, followed by various types of written work (one page per week). Designed to develop appreciation of specific stylistic qualities and cultural implications of representative



literary works and of the finer nuances of the German language. Authors: Luther, Goethe, Brentano, Brothers Grimm, Heine, C. F. Meyer, G. Keller, Fontane, Wedekind, Morgenstern, W. Busch, Schnitzler, Hofmannsthal, Rilke, Hesse, Thomas Mann, Brecht, Enzensberger, Johnson, Grass, and others.

Note: Conducted in German. Required of concentrators in German literature.

Prerequisite: Completion of German 60 or permission of the instructor.

German 195. Multicultural Germany: Negotiating the Turkish-German Minority

Catalog Number: 7679

Kristin Kopp

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

The course will investigate a wide range of responses—both the reactionary forces of xenophobic exclusions and the developing practices of cultural inclusion—to the challenge of integrating Turkish-Germans into German culture and society. Using literature, film, popular music, and the press, we will examine important moments in the history of this struggle.

Note: Expected to be omitted in 2002–03. Readings and discussions in German.

Cross-listed Courses

[Comparative Literature 151. The Faust Legend in Literature]

[Comparative Literature 167. Contemporary Fiction: The Novel After Theory]

***Folklore and Mythology 90 (formerly *Folklore and Mythology 90a). Fairy Tales and Literary Culture**

Foreign Cultures 30. Forging a Nation: German Culture from Luther to Kant and Beyond

Foreign Cultures 32. Jugend gegen Hitler

[Foreign Cultures 76. Mass Culture in Nazi Germany: The Power of Images and Illusions]

Historical Study A-76. Germany 1871–1990: From Unification to Reunification

[*History 1476. Enlightenment and Dialectic: Conference Course]

[History 1485. Weimar Intellectuals and the Challenge of Modernity: Conference Course]

[Literature and Arts A-16. Lives Ruined by Literature: The Theme of Reading in the Novel]

Literature and Arts A-18. Fairy Tales, Children's Literature, and the Construction of Childhood

Literature and Arts B-65. Music in *Fin-de-siècle* Vienna: The Origins of Modernism

Literature and Arts C-25. The Medieval Stage

Literature and Arts C-43. The Medieval Court

[Literature and Arts C-67. The German Colonial Imagination]

[Visual and Environmental Studies 157ar. New German Cinema: Oppositional Energies and Utopian Designs]

Visual and Environmental Studies 157br. Film Authorship and Film History: The Cinema of Fritz Lang

[Yiddish 102r. Modern Yiddish Literature I]

Primarily for Graduates



German 221. Goethe: Seminar

Catalog Number: 7666

Peter J. Burgard

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Examines selected major works not only to gain an understanding of Goethe's oeuvre and the reasons for its influence on subsequent generations, but also to trace the playfully subversive disposition and textual practice of a writer who has traditionally been appropriated as a spokesman for aesthetic conservatism and reaction.

Note: Expected to be omitted in 2002–03. Readings in German, discussions in English.

German 226r. Georg Büchner: Proseminar

Catalog Number: 1720

Karl S. Guthke

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Introduces methods of literary research, bibliographic tools, and preparation of research papers.

Note: Open to qualified undergraduates.

German 244. Readings in Film Theory

Catalog Number: 6388

Eric Rentschler

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Explores classical film theory, from the formalist perspectives of Arnheim and Eisenstein to critical assessments of cinema's potential by Balázs, Kracauer, Benjamin, and Adorno. We will also contemplate the pertinence of these contributions for recent discussions about gender, spectatorship, and modern culture's primacy of the visual as well as the ideological effects of mass-produced sights and sounds.

Note: Expected to be omitted in 2002–03. Expected to be omitted in 2002-03. Course conducted in English. Readings in English; students with German-language proficiency read texts in the original.

[German 250. Cultural Studies and the Literary Text]

Catalog Number: 1364

Maria Tatar

Half course (fall term). Hours to be arranged.

By focusing on problems such as identity formation, violence, gender, and sexuality, this course will situate literary texts in their cultural contexts and identify the ideological issues at stake in representational practices. Authors include Wedekind, Schnitzler, Hofmannsthal, Thomas Mann, Heinrich Mann, Döblin, Brecht, Grass, and Süßkind.

Note: Expected to be given in 2002–03. Readings in German, discussions in English.

[German 272. Gerhart Hauptmann's Major Plays: Seminar]

Catalog Number: 4547

Karl S. Guthke

Half course (spring term). Hours to be arranged.

Discussion of about eight plays in their social and cultural contexts.

Note: Expected to be given in 2002–03.



[German 282. Poetry After Auschwitz: Seminar]

Catalog Number: 0379

Judith Ryan

Half course (spring term). Hours to be arranged.

Engaging with Adorno's famous dictum about "poetry after Auschwitz" and related theoretical readings, the course focuses on lyric poetry in three periods: immediately following 1945, at the time of the Frankfurt Auschwitz trial in 1964, and in the present day. Poets include Celan, Sachs, Bobrowski, Kaschnitz, Grass, Bienek, Ausländer, and Grünbein.

Note: Expected to be given in 2003–04. Readings in German (good knowledge of German essential).

German 288. German Novels of the 1990s

Catalog Number: 8467

Judith Ryan

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A study of German novels since unification, viewed within their social and cultural context and against the backdrop of contemporary literary theory. Authors include Beyer, Brussig, Demski, Drawert, Hein, Hilbig, Ortheil, Maron, Stadler, Walser, and Wolf.

Note: Expected to be omitted in 2002–03. Readings in German, discussions in English.

Cross-listed Courses

Comparative Literature 208. Experience and Expression: Seminar

Comparative Literature 215. Melopoeia: On German Music and Letters: Seminar

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, Kristin Kopp 4133, Eric Rentschler 2325, Judith Ryan 1135 (on leave fall term), Eckehard Simon 2670, and Maria Tatar 3645

Cross-listed Courses

Germanic Philology

Primarily for Graduates

Germanic Philology 200. Introduction to Middle High German

Catalog Number: 4639

Eckehard Simon

Half course (fall term). M., W., (F.), at 1. EXAM GROUP: 6

Teaches reading knowledge of Middle High German through grammar study, translation, and explication of short literary and cultural texts. Introduces minnesong and major narrative works of the courtly period (1170–1250): *Nibelungenlied*, Hartmann's *Iwein*, Gottfried's *Tristan*, Wolfram's *Parzival*. Some work with manuscripts and bookhands.



Note: Open to graduate students from other departments who wish to learn to read medieval and early modern German for research.

Prerequisite: A reading knowledge of German.

Germanic Philology 225. History of the German Language

Catalog Number: 5192

Eckehard Simon

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

A cultural history of the German language, from pre-literate Germanic dialects to the present.

The relationship between spoken and written German. Close reading and philological analysis of representative texts, handwritten and printed, from all periods.

Prerequisite: A reading knowledge of German.

[Germanic Philology 280. Teaching Methods for Language Courses]

Catalog Number: 5944

Charles P. Lutcavage

Half course (fall term). Hours to be arranged.

An introduction to teaching methods for introductory and intermediate German language courses. Emphasis on development of practical skills for classroom instruction.

Note: Expected to be given in 2002–03.

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 H. Jasanoff 1661 (on leave spring term), Stephen A. Mitchell 7056, and Eckehard Simon 2670

Cross-listed Courses

English 101. The History and Structure of the English Language

[*English 202. Introduction to Runology]

[*English 207n. Workshop in Old English and Old Norse]

Linguistics 110. Introduction to Linguistics

[Linguistics 168. Introduction to Germanic Linguistics]

[Linguistics 247. Topics in Germanic Linguistics]

Yiddish 105. Yiddish Language and Linguistic Theory

Dutch

For Undergraduates and Graduates

[Dutch Aa (formerly Dutch A). Elementary Dutch]

Catalog Number: 7660

Charles P. Lutcavage



Half course (spring term). Hours to be arranged.

An introduction to Dutch, focusing on speaking, listening, reading, and writing skills. Class sessions emphasize the development of basic oral proficiency. Essentials of grammar and selected readings.

Note: Expected to be given in 2002–03. *Dutch Aa may not be taken to satisfy the language requirement.* Not open to auditors.

Scandinavian

Primarily for Undergraduates

Danish A (formerly Scandinavian C). Introduction to Danish Language and Literature

Catalog Number: 1861

Stephen A. Mitchell

Full course (indivisible). Fall: M. through Th., at 10; Spring: M. through Th., at 9. EXAM GROUP: 2, 11

An introductory course in modern Danish for students with little or no previous knowledge of the language. In the first term the emphasis is on oral expression and listening comprehension; in the spring term there is additional emphasis on reading and writing skills. Danish literature is introduced through short stories, poems, and newspaper articles. Videos, films, and the Internet provide supplementary material for discussion of current events and Danish culture.

Note: *The first half of this course may not be taken as a half course for credit toward the A.B. degree.* May not be taken Pass/Fail. Not open to auditors.

***Scandinavian 91r. Supervised Reading and Research**

Catalog Number: 7308

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Permission of the Head Tutor is 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 Head Tutor is 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 Head Tutor is 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 Head Tutor is 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

Concentration on listening comprehension, oral expression, and elementary reading and writing skills. Spring term: emphasis on more advanced conversational skills and introducing Swedish culture and civilization through selected articles and videos.

Note: The first half of this course may not be taken as a half course for credit toward the A.B. degree. Not open to auditors.

Swedish Ba. Intermediate Swedish

Catalog Number: 3104

Annette Johansson-Los

Half course (fall term). M., W., at 1, and one 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 1, and one hour to be arranged. EXAM GROUP: 6

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.

Cross-listed Courses

***Folklore and Mythology 166. Witchcraft and Hostile Magic in the Later Middle Ages**

[Foreign Cultures 78. Culture-Building and the Emergence of Modern Scandinavia]



Literature and Arts A-78. The Vikings and the Nordic Heroic Tradition
[Religion 1528. Globalization and Human Values: Envisioning World Community]

Primarily for Graduates

***Scandinavian 200a. Introduction to Old Norse**

Catalog Number: 3622

Joseph C. Harris

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The grammar of Old Norse (primarily Old Icelandic). Readings from a wide variety of medieval West and East Norse texts: runic inscriptions, sagas, histories, and eddic poems. Course guarantee: proficiency in reading by winter recess.

Note: Open to qualified undergraduates.

Scandinavian 200br. Old Norse Literature: Edda and Saga

Catalog Number: 2021

Joseph C. Harris

Half course (spring term). Th., 2–5. EXAM GROUP: 16, 17, 18

A continuation of Scandinavian 200a (or equivalent). Readings in eddic and skaldic poetry and in the saga literature. Special attention will be given to short-story genres.

Note: Open to qualified undergraduates with permission of the instructor.

Graduate Courses of Reading and Research

***Scandinavian 300. Special Reading Programs and Research Problems for Advanced Students**

Catalog Number: 1708

Joseph C. Harris 1089 and Stephen A. Mitchell 7056

Half course (fall term; repeated spring term). Hours to be arranged.

Government

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Government

Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*Chair*)

James E. Alt, Frank G. Thomson Professor of Government

Scott Ashworth, Assistant Professor of Government

Robert H. Bates, Eaton Professor of the Science of Government



Eva Bellin, Associate Professor of Government
 Bear F. Braumoeller, Assistant Professor of Government
 Barry C. Burden, Assistant Professor of Government (*on leave spring term*)
 Keith J. Bybee, Associate Professor of Government
 Andrea L. Campbell, Assistant Professor of Government (*on leave spring term*)
 Lars-Erik Cederman, Frederick S. Danziger Associate Professor of Government
 Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies (*on leave 2001-02*)
 Jorge I. Domínguez, Harvard College Professor and Clarence Dillon Professor of International Affairs
 Grzegorz Ekiert, Professor of Government (*on leave 2001-02*)
 Margarita Estevez-Abe, Assistant Professor of Government
 Jeffry Frieden, Stanfield Professor of International Peace
 Peter A. Hall, Harvard College Professor and Frank G. Thomson Professor of Government
 John Mark Hansen, Professor of Government
 Stephen E. Hanson, Visiting Associate Professor of Government
 Yoshiko M. Herrera, Assistant Professor of Government (*on leave fall term*)
 Michael J. Hiscox, John L. Loeb Associate Professor of the Social Sciences (*on leave 2002-03*)
 Jennifer L. Hochschild, Professor of Government
 Stanley Hoffmann, Paul and Catherine Battenwieser University Professor
 Samuel P. Huntington, Albert J. Weatherhead, III University Professor
 Torben Iversen, Professor of Government
 Alastair Iain Johnston, Governor James Albert Noe, Sr. and Linda and Christel Noe Laine Kelley Professor of China in World Affairs (*on leave spring term*)
 Patrick D. Joyce, Lecturer on Government
 Devesh Kapur, Associate Professor of Government (*on leave 2002-03*)
 Gary King, Professor of Government
 Sharon R. Krause, Assistant Professor of Government (*Head Tutor, spring term*)
 Andrew Harriman Kydd, Assistant Professor of Government
 Melissa Sharon Lane, Visiting Professor of Government and of Social Studies (*Cambridge University*)
 Steven R. Levitsky, Assistant Professor of Government and of Social Studies (*on leave fall term*)
 Michael S. Lewis-Beck, Visiting Professor of Government (*University of Iowa*)
 Harvey C. Mansfield, William R. Kenan, Jr., Professor of Government
 Lisa L. Martin, Professor of Government
 William G. Mayer, Visiting Associate Professor of Government (*Northeastern University*)
 Andrew Moravcsik, Professor of Government
 Glyn Morgan, Assistant Professor of Government and of Social Studies
 Russell Muirhead, Associate Professor of Government (*Head Tutor, fall term*) (*on leave spring term*)
 Mary P. Nichols, Visiting Professor of Government (*Fordham University*)
 Elizabeth J. Perry, Henry Rosovsky Professor of Government
 Paul E. Peterson, Henry Lee Shattuck Professor of Government (*on leave spring term*)
 Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics (*on leave spring term*)
 Paul Pierson, Professor of Government
 Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy



Stephen Peter Rosen, Harvard College Professor and Beton Michael Kaneb Professor of National Security and Military Affairs

Nancy Lipton Rosenblum, Professor of Government (*on leave fall term*)

Michael J. Sandel, Harvard College Professor and Professor of Government (*on leave 2001-02*)

Jasjeet Singh Sekhon, Assistant Professor of Government

Catherine R. Shapiro, Lecturer on Government, Allston Burr Senior Tutor in Leverett House

Kenneth A. Shepsle, George D. Markham Professor of Government (*on leave spring term*)

Cindy Skach, Assistant Professor of Government

Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology (*on leave spring term*)

Allison Katherine Stanger, Visiting Associate Professor of Government (*Middlebury College*)

Dennis F. Thompson, Alfred North Whitehead Professor of Political Philosophy, Professor of Government and Professor of Public Policy (*KSG*)

Richard Tuck, Professor of Government (*Director of Graduate Studies*) (*on leave spring term*)

Sidney Verba, Carl H. Pforzheimer University Professor

Dana Richard Villa, Visiting Associate Professor of Government (*University of California, Santa Barbara*) (*fall term only*)

Other Faculty Offering Instruction in the Department of Government

Graham T. Allison, Jr., Douglas Dillon Professor of Government (*Kennedy School*)

Rebecca Aubrey Betensky, Associate Professor of Biostatistics (*Public Health*)

Lee Fleming, Assistant Professor of Business Administration (*Business School*)

Terry D. Martin, John L. Loeb Associate Professor of the Social Sciences

Roger B. Porter, IBM Professor of Business and Government (*Kennedy School*)

Donald B. Rubin, Professor of Statistics

A full list of courses that count toward undergraduate concentration is available in the Office of the Head Tutor.

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

1000–1019 and 2000–2019: Political Methodology and Formal Theory

1020–1099 and 2020–2099: 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

Sharon R. Krause

Half course (fall term). M., W., at 11 and a section to be arranged. EXAM GROUP: 4

An introduction to some of the central questions and debates in the history of political thought. What is the purpose of politics? What is the nature of the best regime? What is the meaning of justice? What justifies the authority of government? What are “rights” and how are they related to political liberty and to political obligation? How is freedom related to equality? Finally, what is the nature of liberal democracy, the political regime that prevails in the United States today? What are its foundations, purposes, strengths, and potential dangers? Readings include Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, Marx, and J.S. Mill.

Government 20. Introduction to Comparative Politics

Catalog Number: 6166

Eva Bellin and Steven R. Levitsky

Half course (fall term). Tu., Th., at 11 and a section to be arranged. EXAM GROUP: 13

Explores important questions and concepts in contemporary comparative politics. Themes will include the dynamics of democracy and democratization, the historical evolution of citizenship, the power of ethnicity, the possibility of revolution, the importance of institutions, the cultural foundation of politics, and the pairing of market reform with political liberalization. Cases will be drawn from different regions and historical periods to give students a grounding in the tools of comparative analysis.

Government 30. Introduction to American Government

Catalog Number: 0263

Paul E. Peterson

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

An introduction to American government and politics, emphasizing how citizens and institutions (the Congress, executive, courts, political parties, interest groups, public opinion, and the electorate) interact in the formation of public policies, and how this interaction has changed over time. The political process studied primarily through examination of several historical and contemporary cases, in areas such as civil rights, foreign policy, economic regulation, and electoral behavior.

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

James E. Alt

Half course (fall 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, Northern Ireland.

Government 90au. Political Economy

Catalog Number: 8213

Torben Iversen

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines modern theories of political economy and their applications to macro problems in advanced industrialized 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? These are some of the questions that we will seek to answer using the most promising theories in political science and economics.

Government 90ax. Crucial Events in Chinese Elite Politics

Catalog Number: 7481

Roderick MacFarquhar

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A critical reexamination of major events in the politics of the People's Republic and of the hitherto accepted Western analyses of them, using the new data made available in the PRC in recent years. The objective is to outline new hypotheses where necessary and more importantly, to explore what need there might be for new ways of studying Chinese politics.

Government 90bh. Comparative Justice: Constitutional Courts in the Modern World

Catalog Number: 6812

Cindy Skach

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

More than ever, constitutional courts are mediating and deciding questions of justice in modern democracies. Analyzing a variety of countries, including the US, Germany, and Bosnia-Herzegovina, this seminar places the trend toward judicial review in historical and comparative perspective. It asks: Should judicial review be the main mechanism for balancing individual



rights, group rights, and the collective will? How do constitutional courts shape multicultural societies? Do activist constitutional courts hinder, or help, the democratic process?

Government 90ca. Shakespeare's Politics

Catalog Number: 3168

Mary P. Nichols (Fordham University)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Study of Shakespeare as a political theorist by examining his comedies, tragedies, histories, and romances. What do his plays show about the grounds of authority, justifications for rule, the relation between law and discretion, the goals and manner of statesmanship, the relation between the sexes, authority within families, monarchy and freedom, the cause of tragedy, and its relation to more liberal political settings?

Government 90cl. Human Rights in World Politics

Catalog Number: 4536

Andrew Moravcsik

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An examination of the history, politics, and law of international human rights protection. The seminar analyzes the emergence, expansion, and enforcement of international norms concerning national guarantees of human rights.

[Government 90dd. Education Politics and Policy]

Catalog Number: 3796

Paul E. Peterson

Half course (fall term). Hours to be arranged.

Analysis of political forces shaping elementary and secondary education governance and policy. Major contemporary issues to be discussed. Students expected to write term papers.

Note: Expected to be given in 2002–03.

Government 90de. Media and Politics

Catalog Number: 5660

William G. Mayer (Northeastern University) (spring term only)

Half course (spring term). Th., 1–3.

A broad overview of the role that the mass media play in American politics. Among the topics to be examined are: how the media affect our image of the world; major theories that attempt to explain the content and bias of media reporting; the impact of the media on public opinion and governance; and politics and the Internet.

[Government 90dx. Political Participation and Public Policy in the U.S.]

Catalog Number: 1784

Andrea L. Campbell

Half course (spring term). Hours to be arranged.

Examines the role of mass political participation in the policy-making process. Discussion of what normative theory says that role should be, how the public actually behaves, and how representatives respond. Considers whether differences in participation rates by race, ethnicity, gender, age, and class lead to unequal policy treatment. Case studies will include welfare, social



security, health care, agricultural subsidies, and tax policy.

Note: Expected to be given in 2002–03.

Government 90eb. Interest Group Politics

Catalog Number: 1900

John Mark Hansen

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This course takes up various claims about interest groups and their role in American politics and considers ways to evaluate them systematically and rigorously. Topics include (1) the organizational politics of interest groups--their formation, their maintenance and their attractions to members; (2) the influence of interest groups on national policymakers--their attempts to lobby Congress and the bureaucracy; and (3) the place of interest groups in the conduct of American democracy.

[Government 90el. International Financial Institutions]

Catalog Number: 5667

Devesh Kapur

Half course (fall term). Hours to be arranged.

Examines the evolving role of the Bretton Woods Institutions (IMF and World Bank) and (to a lesser degree), the regional development banks. Topics include the governance and purposes of these institutions; the factors that shape their programs and policies; and the economic, social, and political consequences of their programs.

Note: Expected to be given in 2002–03.

Government 90eo (formerly Government 1785). Globalization and American Foreign Economic Policy

Catalog Number: 9955

Michael J. Hiscox

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines the foreign economic policies of the United States in the context of increasing global economic integration. Topics include: globalization—benefits and costs, winners and losers; lessons from history; determinants of trade policy; political economy of multinational corporations; and reforming the international financial architecture.

Government 90fm. Money and Congress

Catalog Number: 1088

Scott Ashworth

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Examines the relationships between Congressional elections, campaign contributions, and policy outcomes. The first part focuses on what money buys for candidates: does spending “buy” votes? If so, how effective is spending? Then course turns to what the contributors get. Are they ideologically motivated, or are they out to get favors for themselves? How important are contributors in the policy formation process?

Prerequisite: Some background in statistics helpful, but not required.



Government 90gn. Cultural Politics: Religion and State in Modern Democracies

Catalog Number: 2868

Eva Bellin

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Studies contemporary responses to the classic dilemma of church-state separation in modern democracies. Focuses on such flashpoints as the politics of veiling in France, blasphemy in England, personal status in Israel, education and prayer in the US, free speech in Iran. Analyzes the political and ideological underpinnings of diverse approaches from official secularism and the “non-establishment” of religion to “equal protection” and the state in the service of faith.

[Government 90gs. Civil Society in Asia]

Catalog Number: 7546

Susan J. Pharr

Half course (spring term). Hours to be arranged.

This seminar looks at the concept of civil society in the Asian context, with particular emphasis on East Asia. The seminar first examines how the concept originally evolved in Western societies, looking at the debates over civil society in Western and Eastern Europe. It then explores how the term applies in the Asian context. It looks at how the Internet, globalization, religion, ethnic conflict, market reforms, corruption, international NGOs, the IMF, and other forces, internal and external, are affecting civil societies in Asia, and the relation between developments in civil society and democratization. It also looks at the evolution of international civil society and Asia’s place in it.

Note: Expected to be given in 2002–03.

Government 90hh. International Migration and the Political Economy of Development

Catalog Number: 9044

Devesh Kapur

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines the economic, political and social consequences of international migration and diasporas, particularly on developing countries. Is the phenomenon of greater import in the current (and future) context than it has historically been and if so, why? When are diasporas likely to be more influential and how does this influence shape well-being in their country of origin? What are the implications of looser concepts of citizenship? Country examples include China, India, Mexico and Turkey.

Government 90ia. Sino-U.S. Relations in an Era of Rising Chinese Power

Catalog Number: 9006

Alastair Iain Johnston

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

The course will assess theoretical arguments and empirical evidence concerning the implications of Chinese economic and military modernization for conflict and cooperation between China and the US. Some issues to be examined include global arms control, trade, the environment, and regional security.

Government 90jf. Leaders, Politicians, and Visionaries

Catalog Number: 3754



Catherine R. Shapiro

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

What is the role of leadership in U.S. politics? Why have particular individuals—Thomas Jefferson, Elizabeth Cady Stanton, Franklin Delano Roosevelt, Joseph McCarthy, Martin Luther King—had tremendous impact on the ways we think and behave politically? Can one learn effective leadership skills? Can one learn to be charismatic? What is the relationship between leaders and followers? How do leaders handle adversity? Students consider classic readings on leadership, along with analyses of specific U.S. leaders, and conduct independent research.

Government 90jp. The Struggle for Palestine/Israel

Catalog Number: 1254

Eva Bellin

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Studies the century-long struggle over Palestine/Israel from a local perspective. Considers competing historical and moral claims to the land, the creation of political “facts” and dispossession, the influence of regional politics, the role of local political organizations from Hamas to Gush Emunim, the challenge of state-building in the Palestine Authority, the debate over post-Zionism in Israel, and the possibilities for reconciliation between Palestinians and Israelis.

Government 90js.

Catalog Number: 4399

Allison Katherine Stanger (Middlebury College)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of the conduct, impact, and evolution of American foreign policy since 1945. Topics will include the cold war and containment, US intervention in the developing world, American international economic policy, the role of public opinion and transnational relationships in US policy decisions, and the impact on globalization on policy agendas, processes, and outcomes.

Government 90lt. Civil Society and the Public Sphere

Catalog Number: 8018

Dana Richard Villa (University of California, Santa Barbara)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Addresses two of the most influential—and contested—concepts in recent political thought. To what extent is the sphere of associational life (membership in churches, unions, clubs, etc.) supportive or even identical with the public sphere (the realm of politics, citizenship, and the common good)? To what extent should these spheres be viewed as distinct or in tension? Readings from Hegel, Marx, Tocqueville, Mill, Arendt, Habermas, Sennett, Fraser, Gellner, Walzer, Rosenblum and Putnam.

Government 90nd. Liberalism and Democracy in Montesquieu, Rousseau, and Tocqueville

Catalog Number: 4516

Sharon R. Krause

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Explores the regimes of liberalism and democracy through the writings of three thinkers who



regarded the tenets and practices associated with modern liberalism to be in some measure at odds with the tenets and practices of democracy. Montesquieu was a liberal suspicious of democracy; Rousseau was a democrat scornful of key features of liberalism; and Tocqueville, committed to both, sought to reconcile them even as he articulated the fragility of such a reconciliation. We investigate the relationship between liberalism and democracy, assess the merits and dangers of both, and consider the nature of their union in contemporary American public life. Readings drawn from major works of Montesquieu, Rousseau, and Tocqueville.

Government 90oc. Race and Ethnic Conflict in America

Catalog Number: 6312

Patrick D. Joyce

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines historical and contemporary cases of overt intergroup conflict (i.e. protest and riots) in order to understand the nation's tradition of contentious race and ethnic relations. The main thrust will be to investigate the role of political institutions in shaping and mediating conflict.

Government 90om. International Organization

Catalog Number: 4851

Judith G. Kelley

Half course (fall term). Tu., 7–9 p.m. EXAM GROUP: 18

Examines the changing role of both political economy and security institutions in the international system. Discusses theory about the effect of international organizations on cooperation and governance. Then applies these theoretical tools to practical issues. Particular attention to international organizations and current topics such as human rights, security and economic cooperation. Analyzes present developments such as NATO enlargement, European integration, EU enlargement and UN reform.

[Government 90q. U.S. – Latin American Relations]

Catalog Number: 5153

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 1945. Attention also given to foreign policy decision making in the United States and Latin America, and to alternative approaches to the study of international relations and foreign policy.

Note: Expected to be given in 2002–03.

Government 90qa. Community in America

Catalog Number: 4941

Robert D. Putnam

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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 will be at the focus of this seminar.



Government 90qm. International Relations Theory

Catalog Number: 9031

Bear F. Braumoeller

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Critical evaluation of modern theories of international relations, with an emphasis on the consistency and logic of theoretical argument as well as the relevance of evidence brought to bear on the question at hand. Subject matter covers, in part, systemic theories, conflict and cooperation, international institutions, domestic institutions and foreign policy, and individual decision processes, with applications in international security, international political economy, and human rights.

Government 90rf. Economics and Democracy

Catalog Number: 5194

Michael S. Lewis-Beck (University of Iowa)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

General topics include economic conditions and election outcomes; the political business cycle; economic development and democratic performance; the political impact of globalization; the political economy of third-party dissent; economic and public policy issues.

Government 90sp. Future of War

Catalog Number: 6012

Stephen Peter Rosen

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

The course will examine the character and implications of political and technological factors that could affect the future conduct of war.

Government 90tg. American Political Ideologies

Catalog Number: 3611

Jennifer L. Hochschild

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Analyzes the development and change of American political ideologies, starting with the Puritans and considering the Revolution and constitution-writing, Jacksonian democracy, the Gilded Age, gender-based and race-based social movements, Progressivism, and contemporary liberal and conservative ideologies.

Government 90ua. Conflict Resolution

Catalog Number: 2853

Andrew Harriman Kydd

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The post Cold War world is characterized by continuing international and civil conflicts. Some take place along ethnic lines, some along religious lines, some reflect a total breakdown of the state. Some conflicts persist, while others are seemingly resolved. This course will cover the main approaches to conflict resolution and study some of the salient cases. Topics covered include: theories of conflict and conflict resolution, negotiation, the role of external powers, mediation, and peacekeeping.



Government 90we. Law and Politics of Affirmative Action

Catalog Number: 9950

Keith J. Bybee

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the origins and development of affirmative action in education and employment.

Particular emphasis placed on the political theories courts have used to justify and critique racial preferences.

Government 90wh. Philosophy and Citizenship

Catalog Number: 7797

Dana Richard Villa (University of California, Santa Barbara)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Ever since the trial and condemnation of Socrates, philosophy and citizenship have been viewed as fundamentally opposed ways of life. Is the kind of open-ended, radical questioning characteristic of the philosopher compatible with allegiance to a particular (and inevitably parochial) moral-political community? Is it possible to be a *philosophical* citizen, as Socrates proposed? We will consider these and other questions through readings from Thucydides, Plato, Machiavelli, Rousseau, Mill, Nietzsche, Weber, Arendt, Strauss and Walzer.

Tutorials

***Government 91r. Supervised Reading and Research**

Catalog Number: 2444

Russell Muirhead (fall term) and Sharon R. Krause (spring term)

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. Offered at the discretion of the individual instructors. Written proposal and signature of Head Tutor required.

***Government 97a. Tutorial-Sophomore Year**

Catalog Number: 3023

Keith J. Bybee and Harvey C. Mansfield

Half course (fall term). Hours to be arranged.

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.

Note: Fall enrollment required of sophomores.

***Government 97b. Tutorial-Sophomore Year**

Catalog Number: 4403

Stanley Hoffmann and Cindy Skach

Half course (spring term). Hours to be arranged.

This sophomore tutorial will examine a number of episodes in world history, from the Greek city states to the present, in order to study the interrelationships between domestic and international



politics, as well as the ideas of relevant political philosophers.

Note: Spring enrollment required of sophomores.

***Government 98r. Tutorial — Junior Year**

Catalog Number: 7179

Russell Muirhead (fall term), Sharon R. Krause (spring term) and members of the Department Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 5, 6

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 Head Tutor 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

Russell Muirhead (fall term), Sharon R. Krause (spring term) 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

Jasjeet Singh Sekhon

Half course (fall term). Th., 12–2. EXAM GROUP: 18

Introduction to major quantitative techniques used in political science. Covers exploratory data analysis, as well as descriptive and causal statistical inference of many types. The course emphasizes probability theory, regression analysis and other statistical techniques, and uses new techniques of stochastic simulation to get answers easily and to interpret statistical results in a manner very close to the political substance of the problem at hand.

Note: Frequently taken by undergraduates needing quantitative techniques for thesis research and by graduate students satisfying department requirements. This course also serves as the first in a series of three quantitative courses offered by the department. Qualified undergraduates are welcome.

Government 1001. Introduction to Quantitative Methods in Political Science

Catalog Number: 0881

Jasjeet Singh Sekhon

Half course (spring term). M., W., at 3. EXAM GROUP: 8



This course is specifically designed for undergraduates who wish to use quantitative research methods in their own work. Topics will include descriptive and summary statistics, probability, sampling and statistical inference including estimation and tests of hypotheses. The course emphasizes multiple regression. Applications will focus on two substantive research questions: “Who really won the 2000 Presidential Election”? and “How do citizens evaluate elected officials”? or “Is it really the economy, stupid”?

Prerequisite: High school algebra.

[Government 1003. Designing Political Science Research]

Catalog Number: 2742

Lisa L. Martin and Gary King

Half course (fall term). Hours to be arranged.

Teaches how to design social science research. Explains how to recognize research questions that are most likely to be answerable and productive. Analyzes how to develop successful strategies for answering research questions, including deciding what evidence to gather, how to organize and analyze it, and how you would know if you were right or wrong. This course is for those planning to go to graduate school or law school, or considering writing senior theses, or who are curious about how to do political science rather than merely debate its findings.

Note: Expected to be given in 2002–03.

***Government 1005. The Practice of Research in Political Science**

Catalog Number: 4607

John Mark Hansen

Half course (spring term). M., W., at 12 and a section to be arranged. EXAM GROUP: 5

This is a first course in the methods of research as practiced across a broad range of the social sciences. It is meant to enable you to be critical in your evaluations of claims about politics, society, and the economy, whether the claims are others’ or your own. You will learn first, how to identify and evaluate factual claims for accuracy and relevance, and second, how to construct and test causal claims. The course will use data that address a broad range of topics in political science and the other social sciences.

Note: Open to undergraduates only.

Cross-listed Courses

The courses listed below do not satisfy the political theory field requirement in Government.

[Social Analysis 46. Thinking about Politics: A Rational Choice Approach]

Primarily for Graduates

Government 2001. Advanced Quantitative Research Methodology

Catalog Number: 8941

Gary King

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

This course introduces the theories of inference underlying most statistical methods. It covers how new approaches to research methods, data analysis, and statistical theory are developed. With this foundation, we introduce (and “reinvent”) a wide variety of known statistical solutions



to a wide range of social science data problems. We also show how it is easy to conceive original approaches and new statistical estimators when required. The specific models introduced will be chosen based on students' research topics. In past years they have included models for event counts, ecological inference, time-series cross sectional analysis, compositional data, causal inference, and others.

Note: Government 1000 or the equivalent is a prerequisite. More information is available at Gary King's website.

Government 2002. Topics in Quantitative Methods

Catalog Number: 8168

Jasjeet Singh Sekhon

Half course (fall term). Th., 4–6. EXAM GROUP: 18

The class explores various topics in quantitative methods. Particular attention is given to time-series and time-series cross sectional analysis. Additional topics will also be covered in part depending on the interests of the participants. Additional topics may include generalized linear models, latent variable models, and limited-dependent and qualitative variable methods.

Note: Qualified undergraduates welcome.

***Government 2004. Qualitative Analysis: Analytic Frameworks for Explaining and Predicting Decisions and Actions in Domestic and Foreign Affairs**

Catalog Number: 5002 Enrollment: Limited to 12.

Graham T. Allison, Jr. (Kennedy School)

Half course (fall term). M., 4–6. EXAM GROUP: 9

Exploration and practice in qualitative methods of analysis. Begins with examination of philosophical and conceptual assumptions embodied in alternative models for explaining and predicting decisions and actions in both domestic and foreign affairs. Examines theories of rational choice, cognition and perception, organizational behavior, bureaucratic politics, intergovernmental relations, and multilevel game theory. Each student will prepare a research paper. Grades will be based on the paper and on class participation.

Note: Offered jointly with the Kennedy School of Government as ISP-305. Meets at the Kennedy School.

Government 2005. Game Theory

Catalog Number: 1719

Scott Ashworth

Half course (fall term). W., 12–2 with a section to be arranged. EXAM GROUP: 5, 6

An introduction to game theory and its applications to political science. Applications will include majority voting, bargaining, collective action, reputation, signaling and the implementation of social choice rules.

Government 2006. Theory of Collective Choice

Catalog Number: 5487

Scott Ashworth

Half course (spring term). M., 12–2. EXAM GROUP: 5, 6

The course introduces social choice, implementation, mechanism design, monotone comparative



statics, and rational learning. Applications will be drawn from all four subfields.

Note: Government 2005 (formerly 2050) or equivalent recommended.

Government 2008 (formerly Government 2141). History, Institutions, and Political Analysis

Catalog Number: 6266

Paul Pierson and Theda Skocpol

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A recent trend in political science has been the turn to history, as analysts ask what the investigation of earlier events and processes can tell us about the nature of contemporary politics. Course examines this body of research to clarify the pitfalls and possibilities of studying politics as a process which takes place over time. Among the themes to be explored are: ideas of path dependence and critical junctures in political development; techniques for studying the significance of timing and sequence in politics; and role of actors' time horizons—which may be long or short—in shaping political processes. Places considerable emphasis on recent theories of institutional origins, development and change, because institutions are perhaps the principal instruments through which previous politics shape current politics. Readings will include a wide range of empirical and theoretical writings drawn from all the subfields of political science.

Government 2009. Methods of Political Analysis

Catalog Number: 1080

Peter A. Hall and Andrew Moravcsik

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This course explores the issues of research design vital to doctoral students planning to undertake empirical research in political science, including issues associated with conceptualization, measurement, comparison, selection of cases, and establishing causal relationships, as well as some of the deeper dilemmas of understanding a complex, multicausal world. Each week we read some articles on these issues and examples of efforts to resolve them with a view to building up good instincts for research strategy.

Note: Open to all doctoral students including those beyond their second year.

Government 2010. Strategies of Political Inquiry

Catalog Number: 7421

Gary King, Robert D. Putnam, and Sidney Verba

Half course (fall term). Th., 12–2. EXAM GROUP: 14, 15

If you could learn only one thing in graduate school, it should be how to do scholarly research—assess scholarly literatures, identify interesting questions, formulate research designs, learn methodological tools, and write up results for publication. We discuss each for both quantitative and qualitative studies.

Note: Primarily for graduate students; also taken by undergraduates preparing for senior thesis research.

***Government 2015. Introduction to Computational Modeling for Social Scientists**

Catalog Number: 9088

Lars-Erik Cederman

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17



This seminar provides an introduction to Java programming using a package called RePast. Basic agent-based models will be covered.

Prerequisite: Programming experience desirable but not required.

***Government 2016. Applied Computational Modeling**

Catalog Number: 7465

Lars-Erik Cederman

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This seminar covers advanced programming techniques allowing the participants to apply computational techniques to substantive areas of their own choosing.

Prerequisite: Government 2015, “Introduction to Computational Modeling for Social Scientists”, or by agreement.

Political Thought and Its History

For Undergraduates and Graduates

Government 1060. The History of Ancient and Medieval Political Philosophy

Catalog Number: 4978

Harvey C. Mansfield

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Political philosophy from Plato to Thomas Aquinas, with special attention to the question of natural right.

Government 1061. The History of Modern Political Philosophy

Catalog Number: 5035

Mary P. Nichols (Fordham University)

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Political philosophy from Machiavelli to Nietzsche, with emphasis on its contribution to modern liberalism.

Government 1065. Continental Political Thought

Catalog Number: 6288

Dana Richard Villa (University of California, Santa Barbara)

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Examines the response of leading theorists to the promise and pathologies of the modern age. We will consider the political implications of the decline of authority, community, and the public sphere; the problem of institutionalizing freedom in the modern nation state; and the fate of moral and political agency in a bureaucratized world. Special attention paid to political and cultural criticisms of liberal democracy. Readings from Hegel, Marx, Nietzsche, Weber, Schmitt, the Frankfurt School, and Hannah Arendt.

[Government 1080. American Political Thought]

Catalog Number: 8049

Russell Muirhead

Half course (spring term). Hours to be arranged.



American political thought, with a focus on the period 1760-1865. Topics include religion, empire and revolution, natural rights, federalism, race, pluralism, and national identity. Readings drawn mainly from primary sources, including the writings of Franklin, Madison, Hamilton, Adams, Webster, Calhoun, Anthony, Stanton, Douglas, and Lincoln. Course will also consider contemporary interpretations of the American political tradition and public philosophy.

Note: Expected to be given in 2002–03.

Government 1085. Dilemmas in Feminism

Catalog Number: 7730

Melissa Sharon Lane (Cambridge University)

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Examines a number of cases over which feminists have been and are bitterly divided, such as divorce laws, birth control, pornography, rights, and surrogate motherhood. By considering the radically opposed positions taken by various feminist thinkers on these cases, the course elucidates fundamental issues in feminist thought such as the meaning of autonomy and choice, and the relation of the personal to the political.

Cross-listed Courses

Note: These courses do *not* satisfy the political theory field requirement in Government.

French 242. Jean-Jacques Rousseau

[History 2472. Republics and Republicanism]

Moral Reasoning 17. Democracy and Inequality

[Moral Reasoning 22. Justice]

Moral Reasoning 50. The Public and the Private in Politics, Morality, and Law

Moral Reasoning 58. Slavery in Western Political Thought

Moral Reasoning 64. Ethics and Everyday Life: Work and Family

Moral Reasoning 68. Legalism: Ruly and Unruly Thought and Practices

Moral Reasoning 70. Rights

Primarily for Graduates

***Government 2030. Political Concepts: Field Seminar**

Catalog Number: 0551

Richard Tuck

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

Reading and discussion of rival accounts of the basic concepts of political thinking.

[*Government 2034. Markets, Morals, and Law]

Catalog Number: 4652

Michael J. Sandel

Half course (fall term). Hours to be arranged.

Are there some things that money cannot or should not buy? If so, what moral limits, if any, should the law impose on market exchanges? The seminar will examine a range of morally contested contracts and exchanges—from surrogacy, organ sales, and prostitution to usury and interest, vote-selling, life insurance, wage labor, and pollution permits—and consider the



philosophical questions they raise. Course readings will be drawn from political theory, moral philosophy, and selected law cases.

Note: Expected to be given in 2002–03. Offered jointly with, and meets at, the Law School. Open to GSAS students with permission of the instructor.

***Government 2065. Associations**

Catalog Number: 3387

Nancy Lipton Rosenblum

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This seminar focuses on freedom for associational life, with readings drawn from the history of political thought, contemporary philosophy, and law. The question “should government impose public norms of justice on the internal lives of groups?” will focus on cultural groups, religious associations, and political parties.

Government 2075. Nietzsche and Arendt

Catalog Number: 5814

Dana Richard Villa (University of California, Santa Barbara)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examines the development of Nietzsche’s philosophocial and political views, as well as their unexpected influence on the political thinking of Hannah Arendt. Readings include “Beyond Good and Evil,” “The Genealogy of Morals,” and “The Human Condition.”

Government 2080. Topics in Political Philosophy: The Political Philosophy of Spinoza

Catalog Number: 6828

Harvey C. Mansfield

Half course (spring term). W., 4–6. EXAM GROUP: 9

A study of the first philosopher of liberal democracy, with emphasis on the religious question, and with comparisons to other liberal philosophers, particularly Hobbes and Locke. Readings: *Political Treatise*; *Theologico-Political Treatise*; *Ethics* (selections).

Government 2085. Nationalism

Catalog Number: 5097

Glyn Morgan

Half course (fall term). W., 7–9 p.m. EXAM GROUP: 9

Questions addressed include: is nationalism a defensible political ideology? what is liberal nationalism? can rational choice theory explain nationalism? does nationalism make sense in an era of globalization and multiculturalism.

Comparative Government

For Undergraduates and Graduates

[Government 1100. Political Economy of Development]

Catalog Number: 7687

Devesh Kapur

Half course (spring term). Hours to be arranged.



Comparative analysis of political economy of development drawing on case studies from Africa, Asia, the Middle East, and Latin America.

Note: Expected to be given in 2002–03.

Government 1102. Democratization and Economic Reform

Catalog Number: 6232

Yoshiko M. Herrera

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

A comparative investigation of market-oriented economic reforms and transitions to democracy in Latin America, Eastern Europe, and East Asia. Considers the bases of democracy and economic prosperity, and analyzes the consolidation of political institutions under conditions of economic crisis, as well as the possibilities for economic reform under conditions of weak political institutions. Class sessions will be divided between lectures and discussions.

[*Government 1115 (formerly Government 2205). Collective Action, Protest Movements, and Politics]

Catalog Number: 5508

Grzegorz Ekiert

Half course (spring term). Hours to be arranged.

Reviews the contemporary literature on collective action, protest, and social movements. Focuses primarily on political factors facilitating protest, repertoires of contention, the role of cultural factors and the construction of identities through collective action, and methods of studying collective action. Cases will be drawn from different regions and historical periods.

Note: Expected to be given in 2002–03.

Government 1145 (formerly Government 90rb). Comparative Constitutional Engineering

Catalog Number: 4678

Cindy Skach

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This course critically examines when, and how, institutional design affects the performance and stability of democracy. Topics include the manipulation of party systems via electoral systems; incentive structures in the presidential, parliamentary, and semi-presidential constitutional types; the “problems” of divided government, minority government and divided minority government; the increasingly important role of constitutional courts; and the challenge of engineering in deeply divided societies. Examples are drawn from a variety of world regions and historical periods.

[Government 1173. The Politics of Western Europe]

Catalog Number: 0105

Cindy Skach

Half course (spring term). Hours to be arranged.

A critical introduction to domestic institutions and policy styles in Western Europe since 1945. Britain, France, Germany, and Italy will be examined in the context of more comparative themes. Topics discussed will include: political parties, interest groups, and changing patterns of interest articulation and representation; constitutional types and executive-legislative behavior; the politics of federalism and regionalism; the evolving conceptions of the state, sovereignty and



citizenship; and the “Europeanization” of domestic politics.

Note: Expected to be given in 2002–03.

***Government 1197 (formerly *Government 2197). Political and Economic Development in Africa**

Catalog Number: 9130 Enrollment: Limited to 20.

Robert H. Bates

Half course (fall term). M., W., at 1, and Tu., 1–2:30. EXAM GROUP: 6, 15, 16

Students will attend lectures with Social Analysis 52 and also meet for a 1 1/2 hour seminar.

Reading and discussion will focus on the political economy of development in Africa, viewed from an historical perspective.

Government 1207. Comparative Politics of the Middle East

Catalog Number: 5232

Eva Bellin

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Introduction to the politics of the region through the study of regimes in Saudi Arabia, Syria, Egypt, Lebanon, Turkey, and Israel. Themes include the historical legacy of colonialism, the logic of authoritarian survival, the role of religion in politics, the perils and profits of rent, the challenge of ethnic pluralism, the politics of gender, and the prospects for democratization in the region.

[Government 1208. The Politics of Islamic Resurgence]

Catalog Number: 0907

Eva Bellin

Half course (spring term). Hours to be arranged.

Studies the impact of Islamic resurgence on both international and intranational politics.

Explores competing explanations for Islamic resurgence (cultural, economic, and political), Islamic movements in comparative perspective (with cases selected cross-regionally from Iran and Egypt to Indonesia and France), the ideological content of Islamic revival (and debates over its potential conflict with Western notions of democracy, human rights, and gender equality), the successes and failures of Islamic revolution, the politics of cultural change, and Islam as supranational movement.

Note: Expected to be given in 2002–03.

Government 1243. Russian Politics in Transition

Catalog Number: 1982

Stephen E. Hanson (University of Washington)

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

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 1246. Comparative Politics of the Post-Soviet States]

Catalog Number: 8809

Yoshiko M. Herrera

Half course (spring term). Hours to be arranged.

A comparative examination of politics and government among the 15 successor states to the Soviet Union, focusing on variation in the development of institutions, the degree of democratization, state strength, and economic prosperity. Topics include mass politics and political action institutions, nationalism and identity politics, and economic transformations since the end of the USSR in 1991.

Note: Expected to be given in 2002–03.

Government 1273. The Political Economy of Japan

Catalog Number: 1365

Margarita Estevez-Abe

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

This course examines the history of Japan's political economy, its recent success and its current problems. Why did Japan succeed in becoming the first non-Western society to industrialize? Did Japan develop a particular brand of capitalism? What role did the political system play? What are its advantages and disadvantages of the Japanese model? Can it overcome the current technological changes and global pressures? Or is it no longer a viable model to emulate?

[Government 1280. Government and Politics of China]

Catalog Number: 1643

Elizabeth J. Perry

Half course (fall term). Hours to be arranged.

General introduction to the politics of contemporary China. Basic objectives are to provide a working knowledge of Chinese political programs and practices, and to encourage a critical evaluation of the positive and negative aspects of China's socialist experiment.

Note: Expected to be given in 2002–03.

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 the dynamics of political and economic change in 20th-century Latin America, exploring the causes and consequences of the phenomena we have conceptualized as populism, import substituting industrialization (ISI), bureaucratic authoritarianism, democracy, and neoliberalism. Examines Latin American politics from the collapse of oligarchic rule and the emergence of populism and ISI in the 1930s and 1940s to the widespread collapse of democracy and establishment of military regimes in the 1960s and 1970s, to the contemporary processes of democratization and economic liberalization. The course compares different theoretical approaches in an effort to explain both these general processes of change and important differences across Latin American countries.

Cross-listed Courses



[Foreign Cultures 48. The Cultural Revolution]
[Historical Study A-15. Politics and Society in the Making of Modern India]
[Historical Study A-53. The Chinese Revolutionary Tradition](#)
[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. Growth and Development in Historical Perspective](#)

Primarily for Graduates

***Government 2105. Comparative Politics: Field Seminar**

Catalog Number: 0154

Devesh Kapur and Paul Pierson

Half course (spring term). W., 12–2. EXAM GROUP: 5, 6

Surveys major topics in comparative politics. Works of theoretical importance from both the developed and the developing world considered. Addresses such issues as development of the modern state; institutions of government; social cleavages and interest mediation; democracy and authoritarianism; revolution and political stability; political parties; mass and elite political behavior.

[*Government 2112. Comparative Political Economy]

Catalog Number: 8251

Peter A. Hall and Torben Iversen

Half course (fall term). Hours to be arranged.

A survey of several main topics and theories in comparative political economy with a focus on advanced industrial democracies. Concentrates on theories that try to explain fundamental differences in economic policy and performance across nations, seeking to establish the relative importance of institutional variables, political cleavages, partisanship and ideology with particular attention to pressures for convergence and the politics associated with “globalization.”

Note: Expected to be given in 2002–03.

***Government 2131. Comparative Politics of Latin America**

Catalog Number: 3337

Jorge I. Domínguez

Half course (fall term). M., 4–6. EXAM GROUP: 9

Topics: historical paths, economic strategies, inflation and exchange rates, international explanations of domestic outcomes, authoritarian and democratic regimes, state institutions, the Roman Catholic Church, social movements, parties and party systems, and voters and voting behavior.

Note: Expected to be omitted in 2002–03.

***Government 2140. Identity in History and Politics**

Catalog Number: 7502

Yoshiko M. Herrera, Alastair Iain Johnston, and Terry D. Martin

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Analyzes how the concept of identity is currently being used in the social sciences, particularly history and political science. Examines classic works on racial, ethnic, class, status, gender,



religious, regional, transnational, and national identity in history and political science. Focus will be on defining identity more precisely and, in particular, exploring and evaluating new techniques for measuring identity.

[Government 2148. Civil Society, West and East]

Catalog Number: 4675

Susan J. Pharr and Grzegorz Ekiert

Half course (fall term). Hours to be arranged.

This seminar explores the rise of civil society in states worldwide. It examines the debates over what civil society is, the notion of “public space,” and the idea of “civic engagement,” and looks at the complex relationship between civil society and the state, on the one hand, and markets, on the other. After tracing the emergence of civil society in Western Europe, the seminar looks at the forms civil society is taking in other settings, from Eastern Europe to the Asia-Pacific. It examines how a wide range of factors, from wars to the internet to the rise of international NGOs, affects the nature and quality of civic life, and democratic transitions, in different countries.

Note: Expected to be given in 2002–03.

Government 2150. Institutional Foundations of Modern Capitalism

Catalog Number: 4583

Margarita Estevez-Abe and Torben Iversen

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A survey of theoretical and empirical literatures on varieties of modern capitalism. The course seeks to explain differences in economic institutions and outcomes, and how these interact with political processes in advanced democracies.

[Government 2158. Political Institutions and Economic Policy]

Catalog Number: 6448

Jeffrey Frieden and Kenneth A. Shepsle

Half course (fall term). Hours to be arranged.

This seminar explores the role of political institutions in the formation, implementation, and regulation of economic policy. We examine research traditions in the positive theory of political institutions, and in comparative and international political economy, and apply them to several substantive issue areas.

Note: Expected to be given in 2002–03.

[*Government 2160. Politics and Economics]

Catalog Number: 7780

James E. Alt and Lisa L. Martin

Half course (spring term). Hours to be arranged.

Covers the political economy of policymaking and institutional change. Readings include a mixture of foundational approaches and recent research. Topics include political business cycles and voting; debt, deficits, and the size of government; political economy of trade and special interests; and monetary institutions and exchange rates.

Note: Expected to be given in 2002–03.



Government 2162 (formerly Government 2062). Perspectives on Political Economy

Catalog Number: 1999

Robert H. Bates and Kenneth A. Shepsle

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

A microperspective on various topics in political economy, including the emergence and development of institutions, property rights, agency relationships, the effects of time on politics, and the role of politicians (“putting the politicians back in.”)

[Government 2178. Contemporary Welfare Capitalism]

Catalog Number: 8283

Torben Iversen and Paul Pierson

Half course (spring term). Hours to be arranged.

This course examines different approaches to the study of welfare capitalism in its distinct national forms across advanced democracies. Emphasis is placed on explaining differences in social institutions, policies, and outcomes across countries, and on exploring how these institutions, policies, and outcomes are affected over time by globalization and other forces of change. What are the trade-offs between policy goals such as equality and economic growth, and how are the choices over these trade-offs affected by national political institutions, the organization of production, and partisan politics?

Note: Expected to be given in 2002–03.

[Government 2210. Political Economy of the Post-Socialist Transition]

Catalog Number: 8815

Yoshiko M. Herrera

Half course (fall term). Hours to be arranged.

This course examines political and administrative difficulties accompanying the effort to build market economies in Eastern Europe and the states of the former Soviet Union. After a historical introduction to socialist economic institutions, turns to central processes of privatization, stabilization, liberalization, enterprise adaptation, and fiscal and administrative development. Taught cooperatively with an MIT seminar led by Professor David Woodruff.

Note: Expected to be given in 2002–03.

Government 2213. Comparative Politics of Post-Socialism

Catalog Number: 6876

Stephen E. Hanson (University of Washington)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

A research seminar designed to define an agenda for the comparative analysis of political developments among postsocialist systems. Emphasis placed on the formation of research proposals, methods of analysis, theory-building, and the presentation of comparative empirical research.

[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 2002–03.

Government 2262. Politics and Political Economy in Japan

Catalog Number: 7446

Susan J. Pharr

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Explores major issues in Japanese politics and political economy in historical and comparative perspective, including the role of the ruling party, bureaucracy, and big business in policymaking; the trade-offs of a “one-party dominant” political system; the role of an opposition in such a system; and the international, sociocultural, economic, and political determinants of domestic policy choices.

Note: Open to qualified undergraduates.

Government 2284. Chinese Authors on Chinese Politics

Catalog Number: 7556

Roderick MacFarquhar

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of how P.R.C. authors have analyzed the politics of their country and comparisons with relevant Western accounts.

Prerequisite: A good reading knowledge of Chinese and previous course work on Chinese politics. Open to qualified undergraduates.

***Government 2285. Political Science and China**

Catalog Number: 1566

Elizabeth J. Perry

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

This graduate seminar gives students control over the secondary literature on Chinese politics, with special attention to competing theoretical and methodological approaches.

American Government, Public Law and Administration

For Undergraduates and Graduates

Government 1300. The Politics of Congress

Catalog Number: 8868

Catherine R. Shapiro

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

This course examines the ways in which the electoral system as well as the rules and institutions of the House of Representatives and the Senate interact to produce law. Emphasis is put on placing current legislative behavior --campaigning and campaign finance reform, filibustering, logrolling, and vote trading -- in historical and analytic perspective.

[Government 1340. Constitutional Interpretation]

Catalog Number: 1721

Keith J. Bybee



Half course (fall term). Hours to be arranged.

An introduction to American constitutional interpretation. Provides a historical survey of basic Supreme Court doctrines and considers the stature of the Court as a particular sort of political institution.

Note: Expected to be given in 2002–03.

[Government 1341. Civil Liberties]

Catalog Number: 5544

Keith J. Bybee

Half course (fall term). Hours to be arranged.

An examination of contemporary constitutional interpretation, focusing on the Bill of Rights and the 14th Amendment. Specific consideration given to issues of race, gender, privacy, property, free speech, religious diversity, and political representation.

Note: Expected to be given in 2002–03.

Prerequisite: Government 1340.

Government 1360. American Public Opinion

Catalog Number: 8196

Barry C. Burden

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Analyzes what Americans think about politics, why they do so, and what consequences these beliefs have on citizen behavior and system response. Investigates methods of survey research.

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

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 U.S. political system.

Note: Offered jointly with the Kennedy School of Government as PAL-115. Meets at FAS.

Government 1565. Urban Politics

Catalog Number: 0832

Patrick D. Joyce

Half course (fall term). M., W., at 10. EXAM GROUP: 3

Examines central themes in the politics of American cities, with emphases on the historical development of urban political institutions, the impact of federalism, the political incorporation of new groups, and the formation of coalitions across economic, racial and ethnic lines.

***Government 1582. Who Are We? Issues of American National Identity**

Catalog Number: 9119

Samuel P. Huntington

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8



This is a limited enrollment discussion course for both graduate and undergraduate students. Topics include: ethnic, racial, cultural, and ideological concepts of American identity; the relation between national and other identities; contemporary debates over national identity; immigration, assimilation, and Anglo-Hispanic biculturalism; America as the “exceptional” or “universal” country; the problem of the lack of an opposing “evil empire;” the impact of different conceptions of identity on America’s international role.

[Government 1590. Making American Public Policy]

Catalog Number: 4184

Paul Pierson

Half course (spring term). Hours to be arranged.

Survey of basic approaches to the study of national policymaking in the United States. What factors influence the identification of policy problems, the setting of agendas, and executive legislative decisions? How does the distinctive structure of American political institutions affect the policymaking process? Course balances a review of theoretical approaches to public policy analysis with detailed case studies on environmental, health, and budgetary policy.

Note: Expected to be given in 2002–03.

Cross-listed Courses

[**Social Analysis 54. American Society and Public Policy**](#)

[**Social Analysis 58. Representation, Equality, and Democracy**](#)

[**Social Analysis 66. Race, Ethnicity, and Politics in the United States**](#)

[***Sociology 296a. Proseminar on Inequality and Social Policy I**](#)

Primarily for Graduates

[***Government 2305. American Government and Politics: Field Seminar**](#)

Catalog Number: 2305

Barry C. Burden and Theda Skocpol

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

Designed to acquaint Ph.D. candidates in Government with a variety of approaches that have proved useful in examining important topics in the study of American government and politics. These approaches explored through intensive examination of illustrative works—classic as well as contemporary—that range from general interpretations of American politics to studies of specific institutions and processes.

[**Government 2310 \(formerly Government 2113\). Social Capital and Public Affairs: Research Seminar**](#)

Catalog Number: 7051

Robert D. Putnam

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Topics in the relationship between politics and civil society in the United States.

Note: Offered jointly with the Kennedy School of Government as API-420. Meets at the Kennedy School.



[Government 2312. Public Opinion and Public Choice]

Catalog Number: 7315

Jasjeet Singh Sekhon

Half course (spring term). Hours to be arranged.

Explores the relationship between public opinion and public policy. Studies macroeconomic, health, and technology policy development. Also explores nontraditional method.

Note: Expected to be given in 2002–03. Qualified undergraduates are welcome.

[Government 2326. American Political Development and Contemporary Politics]

Catalog Number: 8914

Paul Pierson and Theda Skocpol

Half course (fall term). Hours to be arranged.

Analyzes the US polity since World War II, making explicit the theoretical and methodological underpinnings of an institutionalist and developmental approach sensitive to processes and structural transformations. Examines state capacities; relations of business, labor, and the state; public policies (including “the rights revolution”); and civic engagement and interest intermediation. Taught cooperatively with an M.I.T. seminar led by Professor Daniel Kryder.

Note: Expected to be given in 2002–03.

Government 2335. Power in American Society

Catalog Number: 2649

Jennifer L. Hochschild

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

Considers theories of power in American political science and political theory, and uses in understanding political stratification. Attention to power based on race, gender, class, and institutional frameworks; discussion of measuring and conceptualizing power.

***Government 2340. Proseminar on Inequality and Social Policy II**

Catalog Number: 5491

Jennifer L. Hochschild

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Considers effects of varied political activities on creating or reducing inequality in US, and at effects of inequality on political activity and policy choices. Examines electoral participation, social movements, lawmaking, etc. on policies like education, ERA, welfare.

Note: Offered jointly with the Kennedy School of Government as HLE-512. Course Meets at Kennedy School. Cannot be used toward satisfaction of Departmental requirement of 8 half-courses in Government.

Government 2407. Economics and Elections: The United States and Western Europe

Catalog Number: 1607

Michael S. Lewis-Beck (University of Iowa)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

Topics include economic problems on the issue agenda, macroeconomics and national elections, the theory of economic voting, economic versus noneconomic issues in the voter calculus, cross-cultural differences in economic voting, and the political business cycle.



Government 2472. Interest Group Politics

Catalog Number: 7398

John Mark Hansen

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This course takes up various claims about interest groups in American politics and considers ways to evaluate them. Topics include (1) the organizational politics of interest groups; (2) the influence of interest groups on national policymakers; and (3) the place of interest groups in the conduct of democracy.

Government 2480. Media and Politics

Catalog Number: 8934

William G. Mayer (Northeastern University)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

An introduction to current research about the role of the mass media in American national politics. Course will give special attention to theories of media content and the impact of the media on public opinion.

[*Government 2490. Educational Politics and Policy]

Catalog Number: 3399

Paul E. Peterson

Half course (fall term). Hours to be arranged.

Analyses of controversies in research on educational policy and government with special interest given to urban schools.

Note: Expected to be given in 2002–03. Permission of instructor required for all students who are not degree candidates in the FAS Department of Government. Offered jointly with the Kennedy School of Government as HLE-348. Meets at the Kennedy School.

International Relations

For Undergraduates and Graduates

[Government 1730. War and Politics]

Catalog Number: 6806

Stephen Peter 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 2002–03.

Government 1735. Arms and Arms Control

Catalog Number: 1366

Andrew Harriman Kydd

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduces students to the topic of arms racing, arms control and the proliferation of weapons of mass destruction. Covers the causes and consequences of arms racing, theory and practice of



arms control, nuclear, chemical and biological weapons proliferation, and arms control issues in Europe, Korea, South Asia and the Middle East.

Government 1750. Nationalism in International Relations

Catalog Number: 0273

Lars-Erik Cederman

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Nationalism is one of the most salient phenomena in the contemporary world. Yet it remains an under-theorized topic in International Relations. The first part of this course will explore its historical and conceptual origins focusing on Europe. The second part applies the findings of the first part to issues in the contemporary world, including decolonization, the end of the cold war, post-communist politics, ethnic conflict and supranational integration.

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 will also present some theoretical and methodological tools for more systematic analysis of these issues. The goal will be to understand changing levels of conflict and cooperation in the region.

Government 1780. International Political Economy

Catalog Number: 0272

Jeffry Frieden

Half course (spring term). M., W., 2–4. EXAM GROUP: 7, 8

Analyzes the interaction of politics and economics in the international arena. Focuses on international trade, investment, monetary, and financial relations. Includes discussion of developed, developing, and formerly centrally-planned nations.

[Government 1982. Chinese Foreign Policy, 1949–1998]

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). No prior background in China or international relations theory required.

Note: Expected to be given in 2002–03.

Cross-listed Courses

Historical Study A-51. The Modern World Economy, 1873–2000 **Quantitative Reasoning 38. The Strategy of International Politics**

Primarily for Graduates



***Government 2710. International Relations: Field Seminar**

Catalog Number: 8310

Bear F. Braumoeller and Andrew Moravcsik

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A survey of the field. Suitable for students preparing for general examinations.

***Government 2720. The Politics of International Monetary and Financial Relations**

Catalog Number: 5442

Jeffrey Frieden

Half course (fall term). M., 12–2. EXAM GROUP: 5, 6

Covers two interrelated topics. The first is the political economy of international finance: sovereign lending, international banking, international financial integration. The second is the politics of international monetary relations: monetary regimes, inter-state monetary interactions, national macroeconomic policy.

[Government 2721. Psychological Approaches to International Relations]

Catalog Number: 5404

Stephen Peter Rosen

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2002–03. Offered jointly with the Kennedy School as ISP-303. Meets at FAS.

[Government 2726. The Use of Force: Political and Moral Criteria]

Catalog Number: 7160

Stanley Hoffmann

Half course (fall term). Hours to be arranged.

This seminar will examine normative discourse about the use of force. Primary attention will be paid analytically and historically to the “Just-War/Just-Defense” ethic. Readings and lectures will assess the ethic in light of challenges to it from the tradition of non-violence and from the nature of modern warfare. The Just-War ethic will then be assessed in light of three cases: nuclear strategy, hi-tech conventional war, and interventions.

Note: Expected to be given in 2002–03. Open to qualified undergraduates. Offered jointly with the Divinity School as 2853, and with the Kennedy School of Government as ISP-340. Meets at FAS.

Government 2738. Game Theory and International Relations

Catalog Number: 7791

Andrew Harriman Kydd

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A survey of applications of game theory to international relations. Focuses on the central debates in international relations theory and how game theory has contributed to advancing and understanding them. Some exposure to IR theory and an introductory course in game theory is helpful but not required.



[Government 2740. Quantitative Analysis of International Relations]

Catalog Number: 7181

Bear F. Braumoeller

Half course (spring term). Hours to be arranged.

This course focuses on the history of, and new directions in, the quantitative study of international affairs, especially but not exclusively those relating to international security affairs. “Quantitative” will be interpreted quite broadly to include both formalized theories and empirical/statistical testing.

Note: Expected to be given in 2002–03.

[*Government 2755. International Political Economy]

Catalog Number: 7392

Half course (spring term). Hours to be arranged.

A graduate-level introduction to the theoretical and empirical literature on the political economy of international trade, monetary, regulatory, investment and environmental policies.

Note: Expected to be given in 2002–03.

[*Government 2761. International Organization]

Catalog Number: 8442

Lisa L. Martin

Half course (spring term). Hours to be arranged.

International politics increasingly means institutionalized interaction among states. This course examines the sources and effects of international institutions. It draws on institutional theories from many fields: international relations, American politics, economics. The purpose is to generate topics for research.

Note: Expected to be given in 2002–03.

***Government 2784. Global Politics in the Post-Cold War World**

Catalog Number: 1915

Samuel P. Huntington

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Reviews the emerging patterns of conflict in post-Cold War global politics, focusing on the relations among the major powers, the roles of economic, military, and “soft” power, weapons proliferation, and ethnic conflicts. An effort will be made to evaluate to what extent post-Cold War global politics can be explained by such theories as neo-realism, the end of history, economic integration, transnationalism, and the clash of civilizations.

Note: Open to qualified undergraduates.

***Government 2790. Central Issues of American Foreign Policy**

Catalog Number: 3567

Graham T. Allison, Jr. (Kennedy School) and Robert D. Blackwill

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Examination of central issues of American foreign policy today. What developments pose principal challenges and opportunities for U.S. policy? What are priority U.S. national interests? In foreign policymaking, how are national, domestic, and bureaucratic interests and perspectives



adjudicated and amalgamated? Course examines a dozen issues at the top of the current international agenda—from “loose nukes” in Russia, potential confrontation with China over Taiwan, and peacekeeping in Rwanda to trade disputes with Japan and the IMF reform—and analyzes the international environment, identifies specific policy options, considers pros and cons, and reflects on processes for choice and action. Course seeks to combine operational assignments and conceptual/theoretical writings that help clarify choices. Students learn both about current issues and how to analyze issues and present them in option memos.

Note: Offered jointly with the Kennedy School of Government as ISP-202. Meets at the Kennedy School.

***Government 2795. Military Organizational Politics**

Catalog Number: 9111

Stephen Peter Rosen

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

The course will examine organizational behavior theory with particular reference to the politics of military organizational behavior. Taught cooperatively with an M.I.T. seminar led by Harvey Sapolsky.

[*Government 2900. U.S.–Latin American Relations]

Catalog Number: 8020

Jorge I. Domínguez

Half course (fall term). Hours to be arranged.

A study of political and economic relations between the U.S. and Latin American countries, and of the international relations of Latin America, since 1945. Attention also given to foreign policy decision making in the U.S. and Latin America, and to alternative approaches to the study of international relations and foreign policy.

Note: Expected to be given in 2002–03.

Graduate Courses of Reading and Research

***Government 3000. Reading and Research**

Catalog Number: 3391

Roderick MacFarquhar 7856, James E. Alt 1593, Scott Ashworth 3318, Robert H. Bates 1251, Eva Bellin 3446, Bear F. Braumoeller 3330, Barry C. Burden 2524 (on leave spring term), Keith J. Bybee 1253, Andrea L. Campbell 2508 (on leave spring term), Lars-Erik Cederman 3964, Timothy J. Colton 2269 (on leave 2001-02), Jorge I. Domínguez 3823, Grzegorz Ekiert 2718 (on leave 2001-02), Margarita Estevez-Abe 3565, Jeffry Frieden 1627, Peter A. Hall 7272, John Mark Hansen 4103, Stephen E. Hanson 3978, Yoshiko M. Herrera 1622 (on leave fall term), Michael J. Hiscox 4104 (on leave 2002-03), Jennifer L. Hochschild 3785, Stanley Hoffmann 1757, Samuel P. Huntington 1765, Torben Iversen 1250, Alastair Iain Johnston 3213 (on leave spring term), Patrick D. Joyce 4105, Devesh Kapur 3071 (on leave 2002-03), Gary King 1723, Sharon R. Krause 3353, Andrew Harriman Kydd 3965, Melissa Sharon Lane (Cambridge University) 4044, Steven R. Levitsky 2395 (on leave fall term), Michael S. Lewis-Beck (University of Iowa) 3995, Harvey C. Mansfield 1731, Lisa L. Martin 1048, William G. Mayer (Northeastern University) 3073, Andrew Moravcsik 2937, Glyn Morgan 2184, Russell Muirhead 1012 (on leave spring term), Mary P. Nichols (Fordham University) 3674, Elizabeth J. Perry



3074, Paul E. Peterson 2114 (on leave spring term), Susan J. Pharr 1518 (on leave spring term), Paul Pierson 2075, Robert D. Putnam 6193, Stephen Peter Rosen 2721, Nancy Lipton Rosenblum 3786 (on leave fall term), Michael J. Sandel 7065 (on leave 2001-02), Jasjeet Singh Sekhon 2244, Catherine R. Shapiro 4047, Kenneth A. Shepsle 1421 (on leave spring term), Cindy Skach 3386, Theda Skocpol 1387 (on leave spring term), Allison Katherine Stanger (Middlebury College) 4196, Dennis F. Thompson 1426, Richard Tuck 1704 (on leave spring term), Sidney Verba 4072, and Dana Richard Villa (University of California, Santa Barbara) 3971 (fall term only)

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

John Mark Hansen 4103 and Theda Skocpol 1387 (on leave spring term)

Full course (indivisible). M., 4–6. EXAM GROUP: Fall: 9

A forum for the presentation and discussion of research in progress by graduate students (2nd year and above), faculty, and visiting scholars. Anyone working on contemporary American politics or on U.S. political development is welcome. Occasional presentations by invited speakers.

[*Government 3005b. Research Workshop in International Relations: New Approaches to Security Studies]

Catalog Number: 1016

Bear F. Braumoeller 3330, Alastair Iain Johnston 3213 (on leave spring term), and Stephen Peter Rosen 2721

Full course (indivisible). Hours to be arranged. EXAM GROUP: 5, 6

Research workshop for advanced graduate students working on dissertation proposals in security studies.

Note: Expected to be given in 2002–03.

***Government 3006. Research Workshop in Comparative Politics**

Catalog Number: 0910

Samuel P. Huntington 1765, Elizabeth J. Perry 3074, and Cindy Skach 3386

Full course (indivisible). W., 4–6.

This workshop deals with key topics, issues, and concepts in comparative politics. Participants



present their own work, including drafts of thesis proposals, thesis chapters, articles, and conference papers, for detailed discussion and comments. Students at all stages of the research process, from preliminary prospectus drafting to thesis completion, are welcome.

***Government 3007. Research Workshop in Political Economy**

Catalog Number: 0968

Margarita Estevez-Abe 3565, Jeffry Frieden 1627, and Torben Iversen 1250

Full course (indivisible). W., 4–6.

This workshop brings graduate students, faculty, and visiting scholars together to present and discuss work in progress. Intended for graduate students in the third year and above, it welcomes scholarship of all types, and on all aspects, of political economy: American, comparative, international, and other.

***Government 3009. Research Workshop in Applied Statistics**

Catalog Number: 8142

Jasjeet Singh Sekhon 2244, Rebecca Aubrey Betensky (Public Health) 3782, Lee Fleming (Business School) 3839, and Donald B. Rubin 7966

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 Higher Degrees in Health Policy

Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Medical School, Public Health*) (*Chair*)

Alyce Adams, Assistant Professor of Ambulatory Care and Prevention (*Medical School*)

Robert J. Blendon, Professor of Health Policy and Political Analysis (*Public Health, Kennedy School*)

Allan M. Brandt, Professor of the History of Science (*FAS*) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*)

Paul D. Cleary, Professor of Medical Sociology (*Medical School*)

David M. Cutler, Professor of Economics

Arnold M. Epstein, John H. Foster Professor of Health Care Policy and Management (*Public Health*)

Richard G. Frank, Margaret T. Morris Professor of Health Economics (*Medical School*)



Susanne J. Goldie, Assistant Professor of Health Decision Science (*Public Health*)
 John D. Graham, Professor of Policy and Decision Sciences (*Public Health*)
 Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy (*on leave spring term*)
 Edward Guadagnoli, Associate Professor of Health Care Policy (*Medical School*)
 James K. Hammitt, Associate Professor of Economics and Decision Sciences (*Public Health*)
 Haiden Ashby Huskamp, Assistant Professor of Health Economics (*Medical School*)
 Gary King, Professor of Government
 Arthur Kleinman, Professor of Medical Anthropology in the Faculties of Medicine and Arts and Sciences
 Karen Mary Kuntz, Associate Professor of Health Decision Sciences (*Public Health*)
 Peter V. Marsden, Professor of Sociology
 Marie C. McCormick, Professor of Pediatrics (*Medical School*) and Sumner and Esther Feldberg Professor of Maternal and Child Health (*Public Health*)
 Barbara J. McNeil, Ridley Watts Professor of Health Care Policy and Professor of Radiology (*Medical School*)
 Carl N. Morris, Professor of Statistics (*on leave 2001-02*)
 Peter J. Neumann, Assistant Professor of Policy and Decision Sciences (*Public Health*)
 Sharon-Lise Teresa Normand, Associate Professor of Biostatistics (*Medical School, Public Health*)
 Paul Pierson, Professor of Government
 Gary Paul Pisano, Harry E. Figgie Jr. Professor of Business Administration (*Business School*)
 Meredith B. Rosenthal, Assistant Professor of Health Economics and Policy (*Public Health*)
 Donald B. Rubin, Professor of Statistics
 Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology (*on leave spring term*)
 Stephen B. Soumerai, Professor of Ambulatory Care and Prevention (*Medical School*)
 B. Katherine Swartz, Professor of Health Economics (*Public Health*)
 Alan Zaslavsky, Associate Professor of Statistics (*Medical School*)
 Richard J. Zeckhauser, Frank Plumpton Ramsey Professor of Political Economy (*Kennedy School*)

The PhD in Health Policy, awarded by the Faculty of Arts and Sciences, draws upon the resources of five faculties: The Graduate School of Arts and Sciences, the School of Public Health, the Medical School, and the John F. Kennedy School of Government, and the Harvard 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 four areas of policy interest: environmental health, health care services, 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, cost-benefit and cost-effectiveness analysis, decision modeling, and behavioral decision theory. 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 federal, state, and local governments as their actions affect health and medical care. In addition to examining the literature on health economics, the training emphasizes microeconomic theory; econometrics; public finance; industrial organization; labor economics; and interactions with other disciplines, including clinical medicine. This concentration prepares students for research and teaching careers as health economists.

Ethics (Professor Allan M. Brandt, Chair). The ethics concentration integrates quantitative and qualitative approaches to the analysis of ethical issues in health policy and clinical practice. Students in this track will focus on developing skills in a range of disciplines, with the goal of evaluating, through empirically-based research, how moral, ethical, and socio-cultural values shape health policies as well as clinical practices.

Management (Professor Gary P. Pisano, chair). The management concentration emphasizes the organizational, managerial, and strategic issues facing health care providers, payers, and other players in the health care market. Students 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 health care organizations. Areas of research include: the design and improvement of health care delivery processes, approaches for improving health care quality and productivity, development and adoption of new medical technologies, financial incentives in health care, new role of patients as consumers of health care, appropriate ownership and organizational structure of hospitals and other health care providers, and management of professional health care staff. Students will be required to take MBA, economic theory, and quantitative methods courses, as well as the Management and Markets course, at the Harvard Business School. We expect students completing this track to find jobs in academic and research institutions which have an interest in the impact of management on health care.

Medical Sociology (Professor Paul D. Cleary, Chair). In this track, 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 evaluations; evaluation of intervention programs; 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 political behavior and its effect in the health field. Students will study theories of public opinion formation, voting behavior, legislative behavior, interest group influence, and political strategy as well as examine the role of both political institutions and the media on 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 health field.

Evaluative Science and Statistics (Professor Barbara J. McNeil and Professor Stephen Soumerai, co-chairs). Training in this concentration in health services and policy evaluation will enable students to evaluate the effects of a wide range of health services and policies (e.g., insurance, health care quality improvement, and cost-containment) on behaviors, access, processes and quality of care, health outcomes or costs. Students in this concentration will develop proficiency in experimental and quasi-experimental research design, statistics, other methodological approaches (e.g., epidemiology, program evaluation, qualitative methods and survey design) and relevant social sciences. Previous students in this track have used innovative methodological and statistical approaches to study, for example: the effects of drug coverage on access to essential medications in Medicare; the effects of employment on population health; international differences in outcomes of medical care for acute myocardial infarction; the health effects of HMO reductions and subsequent government increases in maternity lengths of stay; and effects of regulatory changes in legal drinking ages on health and mortality.

Applications: The application deadline is December 15th for admission in the following fall. To request admissions material, applicants should contact the Harvard University Graduate School of Arts and Sciences, Byerly Hall, 8 Garden Street, Cambridge, MA 02138—(617) 495-5315 — or visit the Graduate School of Arts and Sciences web page (www.gsas.harvard.edu/admissions) to apply on-line 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, 79 John F. Kennedy Street, Cambridge, MA 02138—joan—curhan@harvard.edu or (617) 496-5412. Website: www.fas.harvard.edu/~healthpl

Courses

Health Policy 2000. Core Seminar in Health Policy

Catalog Number: 4522

David M. Cutler, Richard G. Frank (Medical School), and Joseph P. Newhouse (Kennedy School, Medical School, Public Health)

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 of Government as HCP-597.

***Health Policy 3000. Doctoral Dissertation Research**

Catalog Number: 8422

Members of the Committee on Higher Degrees in Health Policy

Half course (fall term; repeated spring term). Hours to be arranged.

Dissertation research.



***Health Policy 3002. Graduate Reading Course: Mental Health Policy**

Catalog Number: 3528

Richard G. Frank (Medical School) 1371 and Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425

Half course (throughout the year). Hours to be arranged.

***Health Policy 3010. Graduate Reading Course: Ethics**

Catalog Number: 9241

Allan M. Brandt 3031

Half course (fall term; repeated spring term). Hours to be arranged.

***Health Policy 3020. Graduate Reading Course: Political Analysis**

Catalog Number: 3781

Robert J. Blendon 2712

Half course (fall term; repeated spring term). Hours to be arranged.

The purpose of this research seminar is to provide a forum for the presentation and discussion of research concerning the politics surrounding health policy and problems. Participants will discuss recent examples of research from a range of methodological approaches and will present their own work-in-progress. Graduate students, faculty, and visiting scholars are welcome to present research at all stages of the research process. Occasionally, speakers will be invited to present.

***Health Policy 3030. Graduate Reading Course: Medical Sociology**

Catalog Number: 1826

Paul D. Cleary (Medical School) 2713

Half course (fall term; repeated spring term). Hours to be arranged.

***Health Policy 3040. Research Seminar in Health Policy**

Catalog Number: 8870

B. Katherine Swartz (Public Health) 2461

Half course (fall term; repeated spring term). Hours to be arranged.

Cross-listed Courses

[Economics 2460 \(formerly Economics 2910\). The Health Economics Workshop](#)

***Economics 3460chf. Research in Health Economics**

[General Education 186. Introduction to Health Care Policy](#)

[*General Education 187 (formerly Pforzheimer 123). The Quality of Health Care in America]

[Quantitative Reasoning 24. Health Economics](#)

The Interfaculty Initiative in Health Policy offers support for the study of health policy by undergraduate students concentrating in departments or committees. For information on this and for a copy of "A Course Guide for Undergraduates Interested in Health Policy, Harvard



University,” please contact Joan Curhan, Administrative Director, Interfaculty Initiative in Health Policy at: joan—curhan@harvard.edu

History

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of History

David Blackbourn, Coolidge Professor of History (*Chair*)
Emmanuel K. Akyeampong, Professor of History (*on leave 2001-02*)
Sven Beckert, Dunwalke Associate Professor of American History
Thomas N. Bisson, Henry Charles Lea Professor of Medieval History
Ann M. Blair, Professor of History ()
Sugata Bose, Gardiner Professor of Oceanic History and Affairs (*on leave spring term*)
Daniel V. Botsman, Assistant Professor of History (*on leave 2001-02*)
Joyce Elizabeth Chaplin, Professor of History (*Head Tutor*)
John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs
Lizabeth Cohen, Howard Mumford Jones Professor of American Studies (*on leave 2001-02*)
Catherine A. Corman, Assistant Professor of History
Nancy F. Cott, Professor of History
Patrice Marie Dabrowski, Lecturer on History (*Assistant Head Tutor*)
Caroline M. Elkins, Assistant Professor of History
Drew Gilpin Faust, Professor of History
Ruth Feldstein, Associate Professor of History and of History and Literature (*on leave 2001-02*)
William E. Gienapp, Harvard College Professor and Professor of History
Andrew Gordon, Professor of History (*on leave 2002-03*)
Peter Eli Gordon, Assistant Professor of History and of Social Studies (*on leave 2002-03*)
James Hankins, Professor of History
Evelyn Brooks Higginbotham, Professor of History and of Afro-American Studies (*on leave fall term*)
Patrice Higonnet, Robert Walton Goelet Professor of French History
Antony Gerald Hopkins, Visiting Professor of History (*University of Cambridge*)
Akira Iriye, Charles Warren Professor of American History (*Director of Graduate Studies*)
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
William C. Kirby, Edith and Benjamin Geisinger Professor of History and Dean of the Faculty of Arts and Sciences



Mark A. Kishlansky, Frank B. Baird, Jr. Professor of History (*on leave 2001-02*)
 James T. Kloppenberg, Professor of History
 Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations
 Angeliki E. Laiou, Dumbarton Oaks Professor of Byzantine History (*on leave 2001-02*)
 Marilyn Lake, Visiting Professor of Australian Studies (*LaTrobe University*)
 Eric Lohr, Assistant Professor of History (*on leave 2002-03*)
 Charles S. Maier, Krupp Foundation Professor of European Studies
 Jane E. Mangan, Assistant Professor of History
 Steven P. Marrone, Visiting Professor of History (*Tufts University*) (*spring term only*)
 Terry D. Martin, John L. Loeb Associate Professor of the Social Sciences
 Ernest R. May, Charles Warren Professor of American History
 Bruce Mazlish, Visiting Professor of History (*Massachusetts Institute of Technology*) (*fall term only*)
 Michael McCormick, Professor of History (*on leave 2001-02*)
 Lisa M. McGirr, Associate Professor of History
 Rebecca Mary McLennan, Assistant Professor of History and of Social Studies (*on leave 2002-03*)
 Roy Mottahedeh, Gurney Professor of History
 Afsaneh Najmabadi, Professor of History and of Women's Studies (*on leave 2001-02*)
 Susan E. O'Donovan, Assistant Professor of Afro-American Studies and of History
 E. Roger Owen, A. J. Meyer Professor of Middle East History
 Steven Ozment, McLean Professor of Ancient and Modern History (*on leave spring term*)
 Susan Pedersen, Professor of History
 Eric W. Robinson, Assistant Professor of the Classics and of History (*on leave 2001-02*)
 Bruce Joseph Schulman, Visiting Associate Professor of History, Visiting Scholar in History (*Boston University*) (*fall term only*)
 Judith Surkis, Assistant Professor of History and of History and Literature
 Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History (*on leave fall term*)
 Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History
 Stephan Thernstrom, Winthrop Professor of History
 T. Robert Travers, Assistant Professor of History
 Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History
 Susan W. Ware, Lecturer on History (*fall 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, Assistant Professor of Japanese History (*on leave 2001-02*)
 Bernard Bailyn, James Duncan Phillips Professor of Early American History, Emeritus
 Peter K. Bol, Harvard College Professor and Professor of Chinese History (*on leave 2002-2003*)
 Harold Bolitho, Professor of Japanese History
 Kathleen M. Coleman, Professor of Latin (*on leave spring term*)
 Albert M. Craig, Harvard-Yenching Research Professor of History
 Charles Donahue, Jr., Professor of Law (*Law School*)



Carter J. Eckert, Professor of Korean History
William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology
Donald Fleming, Jonathan Trumbull Research Professor of American History
Ivan Gaskell, Senior Lecturer on History of Art and Architecture
Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities
David D. Hall, Professor of American Religious History on the Bartlett and the Emerson Fund for Unitarian Universalist Studies (*Divinity School*)
Jay M. Harris, Harvard College Professor and Harry Austryn Wolfson Professor of Jewish Studies
Stanley Hoffmann, Paul and Catherine Battenwieser University Professor
Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*)
Nino Luraghi, Assistant Professor of the Classics (*on leave 2002-2003*)
Thomas K. McCraw, Isidor Straus Professor of Business History (*Business School*)
John E. Murdoch, Professor of the History of Science
Richard Pipes, Frank B. Baird, Jr. Research Professor of History
Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization (*on leave fall term*)
Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies

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

Joyce Elizabeth Chaplin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open only to juniors and seniors. Students wishing to enroll must petition the Head Tutor 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. May not count for either concentration or distribution in History.

Tutorials in History

***History 97. Sophomore Tutorial**

Catalog Number: 4469

Lisa M. McGirr, Jane E. Mangan, and Laurel Thatcher Ulrich

Half course (fall term). Tu., through Th., 10-12, or 2-4. EXAM GROUP: 12, 13

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 fall term of their sophomore year.

***History 98a. Honors Research Seminar**

Catalog Number: 3556

James Hankins and William E. Gienapp

Half course (fall term). Hours to be arranged.

Methods of historical research and writing.

Note: Required of, and ordinarily limited to, honors juniors concentrating in History.

Prerequisite: Admission to the honors program in History.

***History 98b. Honors Field Tutorial**

Catalog Number: 6063

Patrice M. Dabrowski

Half course (spring term). Hours to be arranged.

Guided research and writing of a junior paper.

Note: Required of, and limited to, honors juniors concentrating in History.

Prerequisite: Admission to the honors program in History.

***History 99. Tutorial — Senior Year**

Catalog Number: 5803

Joyce Elizabeth Chaplin and members of the Department

Full course. W., 6–9 p.m.

Note: Required of, and ordinarily limited to, honors seniors concentrating in History. Research and writing the senior honors essay in History. Permission must be obtained in the Tutorial Office. Either half year may be taken as a half course with the consent of the Head Tutor. A student wishing to drop History 99 with credit at midyear must get the consent of the Head Tutor and submit a substantial paper on which final credit can be based. A student who remains in the



course in the second half year, but fails to submit an honors thesis when due, must, if desiring credit for the full course, submit a more substantial paper, ordinarily due not later than the day before the spring term Reading Period begins.

Prerequisite: History 98 and recommendation of the 98 tutor.

History 90. Historiography Seminars

These half-courses are limited to 15 participants. All History concentrators are required to take the History 90 in their field, ordinarily in the spring of their sophomore year. Other undergraduates may be admitted into History 90 at the discretion of the instructor. History 90 is closed to graduate students.

***History 90a. Major Themes in Medieval History**

Catalog Number: 0708

Thomas N. Bisson

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Designed in collaboration with students to introduce research topics while complementing other courses. Themes typically include power and society, work, sanctity, gender, learning, theology, crusading, and personality. Stress on views and confusions of modern historians.

Prerequisite: History 10a or History 1101 advisable.

[*History 90b. Major Themes in Early Modern European History]

Catalog Number: 1833

Half course (spring term). Hours to be arranged.

An overview of the main issues of early modern historiography.

Note: Expected to be given in 2002–03.

***History 90c. Major Themes in Modern European History**

Catalog Number: 5303

Charles S. Maier

Half course (spring term). W., 2–4.

Discusses major themes in Modern European history.

***History 90d. Major Themes in Western Intellectual History**

Catalog Number: 4955

James T. Kloppenberg

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Major questions of substance and approach in the study of Western intellectual history will be explored through some secondary and many primary readings grouped around the following themes: the definition of the Enlightenment; a question in intellectual biography; and theories of education from Locke to Dewey.

***History 90e. Major Themes in American Historical Writing**

Catalog Number: 4577

Joyce Elizabeth Chaplin and Susan O'Donovan

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17



An examination of critical themes in American historical writing from the late 19th century to the present. Students will read selections from classics in American historiography and will examine debates among historians on some of the most important issues in U.S. history. Among the themes explored will be the frontier; the origins of the American Revolution; labor in the ante-bellum period; and the legacies of the Cold War.

***History 90f. International Relations**

Catalog Number: 4422

Akira Iriye

Half course (spring term). Hours to be arranged.

Major themes in modern international history.

***History 90g. Comparative History: Major Themes in the Historiography of Colonialism, Imperialism, and Post-Colonialism**

Catalog Number: 0119

Hue-Tam Ho Tai

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A general introduction to theories of imperialism, nationalism, and postcolonialism. Case studies include examples from the African and Asian contexts. Will combine the study of theories with an examination of particular anti-colonial and anti-imperialist movements.

***History 90h. Major Problems of Latin American History: Culture, Class, and Politics**

Catalog Number: 4232

John Womack, Jr.

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

An introduction to the history of the ways in which people in “Latin America” have conceptualized and lived culture, class, and politics.

***History 90i (formerly History 90x). Major Themes in Ancient History**

Catalog Number: 4922

Nino Luraghi

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An overview of some of the major issues in Greco-Roman history, with special attention given to the methodologies of the ancient historian.

Introductory Courses

Primarily for Undergraduates

History 10a. Western Societies, Politics, and Cultures: From Antiquity to 1650

Catalog Number: 0213

James Hankins

Half course (fall term). M., W., at 12, plus a discussion section to be arranged. EXAM GROUP: 5

A survey of Mediterranean and West European societies from Greco-Roman antiquity to the



Scientific Revolution.

Note: Required of all history concentrators.

History 10b. Western Societies, Politics, and Cultures: From 1650 to the Present

Catalog Number: 0262

Patrice Higonnet

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Second half of a survey of European history from the first cities and empires to modern times.

Also treats some major aspects of the history of the Americas insofar as they form part of overarching Western developments. Topics include absolute monarchy and enlightened despotism; the Enlightenment and age of revolutions; industrialization and nation building; imperialism and the world wars; cultural and social change; the rise and fall of totalitarian regimes.

Note: Required of all history concentrators.

History 71a. America: Colonial Times to the Civil War

Catalog Number: 6647

Catherine A. Corman

Half course (fall term). Tu., Th., at 10, plus one hour to be arranged. EXAM GROUP: 12

Covers American history from the period of colonial settlement to the Civil War. Topics include the collision of European, African, and native cultures in the age of settlement; colonial British North America; the American Revolution; geographic expansion and social, economic, and cultural change in the Jacksonian era; and slavery and the sectional conflict.

History 71b. The Rise of Modern America, 1865 to Present

Catalog Number: 7671

Sven Beckert

Half course (spring term). Tu., Th., at 10, plus one hour to be arranged. EXAM GROUP: 12

An introduction to American history from the end of the Civil War to modern times, paying particular attention to the question of how the U.S. turned into the world's leading economic and military power. Topics will include the reconstruction of the U.S. after the Civil War; the economic and social effects of the Second Industrial Revolution; the crisis of the 1930s and the expansion of the federal state; the global conflicts of the 20th century as well as the struggles of women and African-Americans for equality.

Note: Directly follows History 71a, but may be taken independently.

Ancient History

For Undergraduates and Graduates

See also Classical Archaeology 180 and 181.

[History 1071. Introduction to Greek History]

Catalog Number: 6112

Eric W. Robinson

Half course (fall term). Hours to be arranged.

An introduction to Greek political, military, social, and cultural history from the Bronze Age to



the death of Alexander the Great.

Note: Expected to be given in 2002–03.

History 1085. The Roman Empire, Augustus to Constantine

Catalog Number: 3109

Christopher P. Jones

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

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: Given in alternate years.

History 1091. Jewish History in the Second and Post-Temple Period (ca. 500 B.C.E.-500 C.E.)

Catalog Number: 6035

Isaiah M. Gafni (Hebrew University)

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

An examination of the effects of the destruction of the Temple on subsequent Jewish development, and discussion of the formulation of new ideologies and the emergence of religious and social frameworks as a result of the destruction. Particular attention will be given to attitudes toward sectarianism, messianism, and the shifting relationship with the Jewish diaspora in late antiquity.

Cross-listed Courses

[Classics 155. Roman Games]

Classics 158. Ancient Greek World: Homer to Alexander

[Historical Study B-04. Ancient Greek Democracy]

[Historical Study B-09. The Christian Revolution]

Latin 117. Livy

Medieval and Renaissance History

For Undergraduates and Graduates

See also Committee on Medieval Studies. Students are also directed to Divinity School course #2283, The Image as Historical Evidence.

[History 1101. Medieval Europe]

Catalog Number: 4278

Michael McCormick

Half course (fall term). Hours to be arranged.

The formation of a European civilization from the conversion of Constantine to the 15th century, Germanic settlements; Carolingian order; power, violence; salvation; crusades; heresy; peasants;



knights; gender; monks; friars; a saint-king; schism; the Hundred Years' War. Stress on France, Germany, Italy and Spain.

Note: Expected to be given in 2002–03. Given in alternate years. Students prepared to pursue special topics can be accommodated.

[History 1111. World of Late Antiquity]

Catalog Number: 6019

Michael McCormick

Half course (spring term). Hours to be arranged.

Studies the changes, violent or subtle, that transformed the late Roman world—the fall of the Roman Empire—to produce medieval civilization between ca. 300 and 700. Topics include the imperial meritocracy; Constantine's conversion; the coming of the barbarians; sports, propaganda, and political belief; women and power. Emphasizes reading of primary texts in translation.

Note: Expected to be given in 2002–03.

History 1132. Scholastic Reason in High Medieval Europe

Catalog Number: 7129

Steven P. Marrone (Tufts University)

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Examines the introduction of a systematic rationalism into the culture of Western Europe during the three centuries, 1050 to 1350. At issue will be the way such a rationalizing perspective provoked a challenge from traditional heuristic and meditative cognitive schemes while managing ultimately to dominate the intellectual life of the literate elite. The focus will be on intellectual activity and controversy in southern England, northern France and the Rhineland.

[History 1133. Medieval England (ca. 871–1485)]

Catalog Number: 7756

Thomas N. Bisson

Half course (spring term). Hours to be arranged.

English (and other insular) societies, cultures, and institutions from Anglo-Saxon times to the accession of the Tudors. Stress on the Norman conquest and its social consequences, constitutional innovation and the crisis of Magna Carta, the formation of political culture and the origins of Parliament, and economic change, agrarian disorder, culture, and war in the later Middle Ages.

Note: Expected to be given in 2002–03. Given in alternate years. Normally alternates with Medieval Studies 117.

[History 1141. Medieval Thought: Conference Course]

Catalog Number: 5096

James Hankins

Half course (spring term). Hours to be arranged.

Intellectual history of Western Latin Christendom from the 5th to the 14th century of our era.

Note: Expected to be given in 2002–03.

Prerequisite: One course in medieval history or the equivalent.



[History 1150. The Jews in Muslim and Christian Spain]

Catalog Number: 5331

Bernard Septimus

Half course (fall term). Hours to be arranged.

A study of the political, social, and cultural history of the Hispano-Jewish community from the Muslim conquest of Spain in 711 to the expulsion of the Jews from Christian Spain in 1492.

Emphasis on literary and intellectual developments and on the complex relationship of the Jews to Iberian Christendom and Islam.

Note: Expected to be given in 2002–03. Combines material from former courses, History 1151 and 1152. Offered jointly with the Divinity School as 3675.

[History 1158. The Mediterranean in the Late Middle Ages, 1204–1500: Conference Course]

Catalog Number: 2711

Angeliki E. Laiou

Half course (fall term). Hours to be arranged.

Examines the economic, social, and political developments in the Mediterranean basin during a critical period. Investigates patterns of economic dominance, trade patterns, forms of colonization, the function of the merchant groups in Venetian, Genoese, Byzantine, and Muslim societies. The development of shipping, maps, and financial and commercial techniques is discussed; travel, war, and politics are also examined in their relation to economic and social developments.

Note: Expected to be given in 2002–03.

[History 1166. Family, Sex, and Marriage in Western Europe 1300-1700: Conference Course]

Catalog Number: 2725

Steven Ozment

Half course (spring term). Hours to be arranged.

Reading and discussion of major studies and sources illustrative of the development of family life in late medieval and early modern Europe. Attention given to a variety of national traditions and to major historiographical controversies.

Note: Expected to be given in 2002–03. May be taken for seminar credit by graduate students.

[History 1212. The Imperial System: Byzantine Society and Civilization, 8thc.-1204: Conference Course]

Catalog Number: 6078

Angeliki E. Laiou

Half course (spring term). Hours to be arranged.

An examination of Byzantine society from the time of the Iconoclastic controversy 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 (in translation).

Note: Expected to be given in 2002–03.



History 1214. History of the Soul

Catalog Number: 5436

James Hankins

Half course (spring term). M., W., at 10, plus discussion section to be arranged. EXAM GROUP: 3

The history of Western ideas about the soul, from the ancient Greeks to the 17th century. Special attention to the connections between psychological theory and ethics, politics, natural philosophy and theology, as well as to the shift from the premodern soul/body dichotomy to the modern mind/body dichotomy. Readings in Plato, Aristotle, the Stoics, Plotinus, Augustine, Aquinas, Ficino, Pomponazzi, Descartes, Hobbes, Leibniz and Locke.

Cross-listed Courses

Celtic 107. Early Irish History

Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions

Historical Study B-17. Power and Society in Medieval Europe: The Crisis of the 12th Century

[Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar]

Medieval Studies 117. Constitutional and Legal History of Medieval England

[Medieval Studies 119. Constitutional and Legal History of Medieval Continental Europe]

Primarily for Graduates

***History 2101. Medieval Societies and Cultures: Proseminar**

Catalog Number: 6693

Thomas N. Bisson

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

Introduction to the study of medieval history, and to the literature basic to the examination field. Stress on the values (and limitations) of older institutionalist scholarship and on the challenges of *annaliste* and theoretically informed approaches.

Note: May not ordinarily be credited as one of the research seminars required in the first-year program. It is prerequisite to History 2122 or 2124. Sometimes alternates with Medieval Studies 101.

Prerequisite: Prior consent of instructor; plus a reading knowledge of French and/or German.

[History 2122. Early Medieval History: Seminar: Communications in the Early Medieval Mediterranean]

Catalog Number: 5011

Michael McCormick

Half course (spring term). Hours to be arranged.

Communications, travel, and commerce in the early medieval Mediterranean from the death of Justinian to the Arab conquest of Carthage (A.D. 698). Themes may include pilgrimage, the movement of disease and of ideas, the impact of Islam, the archaeology of commerce in this era. Meetings will include close philological and historical analysis of relevant Latin sources, and



research papers by participants.

Note: Expected to be given in 2002–03. Latin, with either German or French, is required.

***History 2124. Medieval History: Seminar**

Catalog Number: 7820

Thomas N. Bisson

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Research studies in the sources and problems of power, faith, and culture in the medieval west.

Topics for 2002 include: polemics of investiture and Christian reform; canonist jurisprudence.

Note: Admission by advanced permission only.

Prerequisite: Latin and French or German; History 2101; prior consent of instructor..

History 2126. Medieval Law

Catalog Number: 3140

Charles Donahue, Jr. (Law School)

Half course (spring term). Th., 4–6. EXAM GROUP: 18

A reading course focused alternately on the English legal tradition (normally jointly with Medieval Studies 117) and on the Roman-canonical tradition (normally jointly with Medieval Studies 119). Several short papers analyzing texts will be required but not a research paper.

Topics for 2002: the English legal tradition.

Note: Some Latin required.

[History 2271r. Topics in Byzantine History: Seminar]

Catalog Number: 3868

Angeliki E. Laiou

Half course (spring term). Hours to be arranged.

Reading knowledge of Greek, French and/or German.

Note: Expected to be given in 2002–03.

History 2314. Research Methods in Renaissance History: Seminar

Catalog Number: 1442

James Hankins

Half course (spring term). Hours to be arranged.

Introduction to paleography, codicology, textual and source criticism, critical bibliography and methods of manuscript research.

Prerequisite: Reading knowledge of Latin, German, French and Italian.

[*History 2353 (formerly History 2251). Topics in Pre-Petrine History: Seminar]

Catalog Number: 6526

Edward L. Keenan

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03. Expected to be omitted in 2003–04. Open to qualified undergraduates by permission of instructor.

Prerequisite: Reading knowledge of Russian; History 1353 or equivalent.

Early and Modern Europe



For Undergraduates and Graduates

History 1302. Germans and Their History: From Tacitus's "Germania" to Hitler's "Table Talk": Conference Course

Catalog Number: 3554

Steven Ozment

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An analytical period survey addressing questions about Germany between Antiquity and the 20th century. Focus on the centuries between 1300 and 1900—the most formative for modern German history—the course will also reach back to the first century C.E. and forward into the 20th in search of comparable interactions in the material, political, and cultural life of Germans in different ages.

[History 1336. The Reign of Charles I: Conference Course]

Catalog Number: 1531 Enrollment: Limited to 12.

Mark A. Kishlansky

Half course (fall term). Hours to be arranged.

An examination of the Stuart monarchy during its most tempestuous period. Topics will include court culture, religion, and the Constitution. Readings will focus on the rich primary literature of the age. Original research required.

Note: Expected to be given in 2002–03.

Prerequisite: Permission of the instructor required.

[History 1417 (formerly History 1329). Italy Since 1796]

Catalog Number: 8146

Charles S. Maier

Half course (spring term). Hours to be arranged.

Examines the emergence of politics and civil society in Italy from the stirrings of Enlightenment reform, the impact of the French Revolution and Napoleon, the Risorgimento and unification of the successive liberal, fascist, and democratic regimes. Themes of importance include the condition of the peasantry and the Southern Question, economic development, Fascism, Communism, social movements and terrorism, and the current reorientation of political blocs.

Note: Expected to be given in 2002–03.

[History 1418. Political Justice in European History since 1789: Conference Course]

Catalog Number: 3904

Charles S. Maier

Half course (spring term). Hours to be arranged.

Examines four political trials to open up key problems in European history: revolutionary justice in the French Revolution, British imperialism, the nature of Stalinist terror, and the Holocaust.

Note: Expected to be given in 2002–03.

History 1431 (formerly History 1468). 19th-Century Britain

Catalog Number: 3665

T. Robert Travers

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3



An introduction to British history from the accession of George III to Gladstone's first administration, with particular attention to political and social change. Topics will include war and the growth of national identity, industrial development, changing attitudes to gender and social class, and Britain's relationship with its colonies. Readings will include primary texts by Burke, Paine, Wollstonecraft, John Stuart Mill and Carlyle, as well as a variety of works by modern historians.

[History 1432 (formerly History 1401). 20th-Century Britain]

Catalog Number: 0288

Susan Pedersen

Half course (spring term). Hours to be arranged.

British history from the Boer War through the Blair administration. Explores the source and nature of political change; the experience and impact of the two World Wars; imperial rule and its aftermath; and social and cultural movements. Readings include works by H.G. Wells, E.M. Forster, George Orwell, and John Osborne. Occasional films accompany this course.

Note: Expected to be given in 2002–03.

History 1439. India and the British Empire in the 18th Century: Conference Course

Catalog Number: 3259

T. Robert Travers

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Examines the impact of new conquests in India on British ideas of empire in the late 18th century. Will study the famous 'trial of Warren Hastings', in which the former Governor of Bengal was impeached before parliament on charges of corruption, and will explore how Britons struggled to resolve the contradiction between despotism abroad and liberty at home. Emphasis on primary research.

[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. All assignments in English, but interested students have the option of doing primary source readings in French.

Note: Expected to be given in 2003–04.

[History 1451 (formerly History 1470). The History of France from Louis XIV to Charles deGaulle]

Catalog Number: 6683

Patrice Higonnet

Half course (spring term). Hours to be arranged.



The history of France from the French Revolution to our own day.

Note: Expected to be given in 2002–03.

History 1458. “French Modern”, 1848-Present

Catalog Number: 5919

Judith Surkis

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Examines the impact of and significant responses to cultural, political and economic modernity in France from the mid-19th century onward. Topics include: republicanism and social reform; bourgeois taste and consumer culture; the World Wars; national expansion and decolonization; Gaullism; May '68 and its aftermath; contemporary challenges to the republican model.

Readings by Flaubert, Baudelaire, Zola, Durkheim, Céline, Bloch, Sartre, Barthes, Fanon.

History 1459. Gender and Sexuality in Modern Europe: Conference Course

Catalog Number: 1562

Judith Surkis

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

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, with some discussion of Russia. 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.

History 1463. Paris From the French Revolution Through the 19th Century: Conference Course

Catalog Number: 6355 Enrollment: Limited to 15.

Patrice Higonnet and Henri Zerner

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

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.

History 1466. Vichy France: Conference Course

Catalog Number: 8154

Patrice Higonnet

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This course will cover the background of the Vichy years and the legacy of 1789; military affairs; Vichy's social policy; Vichy, the Germans and the Jews; Vichy and Free France; and the legacy of the Vichy years.

History 1470a. European Intellectual History, Part I

Catalog Number: 2572

Peter Eli Gordon

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

The first half of a two-semester survey providing a comprehensive introduction to the major themes and thinkers of the European tradition, with special attention to the themes of



emancipation and subjectivity from Descartes forward. Focus on developments in the Western European Enlightenment, the main currents of German Idealism and Romanticism, early Marxism and Kierkegaard's challenge to idealism.

History 1470b. European Intellectual History, Part II

Catalog Number: 7131

Peter Eli Gordon

Half course (spring term). M., W., at 12. EXAM GROUP: 5

The second half of a two-semester survey providing a comprehensive introduction to major landmarks in Continental philosophy and social theory in the modern period, beginning with Nietzsche. Focus on the various challenges to traditional enlightenment notions of freedom and subjectivity in psychoanalysis, Critical Theory, existentialism and French structuralism.

[History 1471. The Phenomenological Tradition: Husserl and Heidegger]

Catalog Number: 5691

Peter Eli Gordon

Half course (fall term). Hours to be arranged.

An intensive lecture course for advanced undergraduates and graduates, introducing some of the key texts and themes of 20th century phenomenology. The major portion of the course will consist of a sustained and critical reading of Heidegger's monumental 1927 text, *Being and Time*, with special attention to the themes of ontology, hermeneutics, and historicity. At least one prior course in rationalism, political philosophy, or modern intellectual history should be considered a prerequisite.

Note: Expected to be given in 2003–04.

[History 1475 (formerly History 1501). History of 19th-Century Germany]

Catalog Number: 6919

David Blackbourn

Half course (spring term). Hours to be arranged.

Examines political, social, economic, and cultural history of Germany from ca. 1780 to 1914. Attention paid to the revolutions of 1848; unification under Bismarck; the role of the state; patterns of industrialization; the development of mass politics; and the coming of World War I.

Note: Expected to be given in 2003–04.

[*History 1476. Enlightenment and Dialectic: Conference Course]

Catalog Number: 6048 Enrollment: Limited to 20.

Peter Eli Gordon

Half course (spring term). Hours to be arranged.

Introduces students to the writings of the so-called 'Frankfurt School'—i.e., the Institute for Social Research, founded in Frankfurt in 1923. Will address the 'late' work by Adorno and Horkheimer, *Dialectic of Enlightenment*, and will guide students through this work so as to reflect on the broader questions raised by the enlightenment and its legacy.

Note: Expected to be given in 2003–04.

Prerequisite: European History, German Literature, of History or Philosophy course.



[History 1480. World War I, Empires and Revolution: Conference Course]

Catalog Number: 1741

Eric Lohr

Half course (fall term). Hours to be arranged.

In 1917-1918, all four of the major continental empires along the Eastern Front (the Russian, Austro-Hungarian, Ottoman and German empires) collapsed in national and social revolutions. The course explores aspects of what Winston Churchill called “The Unknown War” on the Eastern Front. Main themes include the War’s impact on the nationality and the revolutionary collapse of the empires under study.

Note: Expected to be given in 2002–03.

[History 1485. Weimar Intellectuals and the Challenge of Modernity: Conference Course]

Catalog Number: 7638 Enrollment: Limited to 20.

Peter Eli Gordon

Half course (fall term). Hours to be arranged.

The Weimar Republic (1919-1933) was an era of unprecedented fecundity in German intellectual life. This course provides a survey of the strategies by which Weimar intellectuals reflected upon and thus attempted to manage the various stresses of modernity—urbanity, technology, new modes of mass politics and new techniques of artistic expression. Four units will be covered: the crisis of the political; urbanism and anxiety; technophilia and technophobia; and Marxism and Utopia. Readings will include Carl Schmitt, Thomas Mann, Oswald Spengler, Karl Mannheim, Walter Benjamin, Siegfried Kracauer, Ernst Jünger, Ernst Bloch, Theodor Adorno, and Martin Heidegger.

Note: Expected to be given in 2003–04.

Prerequisite: One European History or German Literature Course.

History 1502. Imperial Russia

Catalog Number: 2440

Eric Lohr

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Course surveys major themes in the history of the Russian Empire from the late seventeenth century to the collapse of the old regime in 1917. Readings include historical narratives, documents and novels. The course seeks to understand the structures of the diverse society which made up the empire, the growth and modernization of the empire, and the tensions within the system toward its collapse.

[History 1512 (formerly History 1541). 20th-Century Ukraine]

Catalog Number: 6723

Roman Szporluk

Half course (spring term). Hours to be arranged.

What is Ukrainian history?—an introduction to main themes. Ukrainians in Russia and Austria-Hungary before 1914. Russian and Polish views of Ukraine: historical tradition and modern politics. The First World War and the Ukrainian Question; Ukraine in 1917–22. Ukraine in the U.S.S.R., 1922–39. Ukrainians in Poland, Czechoslovakia, and Romania. Ukraine in 1939–45. Postwar Stalinism. From Destalinization to Independence.

Note: Expected to be given in 2002–03.



[History 1515 (formerly History 1542). States and Nations: 1905-1991: Conference Course]

Catalog Number: 7550 Enrollment: Limited to 15.

Roman Szporluk

Half course (spring term). Hours to be arranged.

An introduction to theoretical literature concerning nationalism and communism, as well as to historical treatments of the states of Eastern Europe and Eurasia, with special attention to Russia, Ukraine and Belarus, as well as to the experience of Yugoslavia and Poland.

Note: Expected to be given in 2002–03.

History 1516. Nation Formation in East Europe, 1795-1921: Poland, Russia, Ukraine

Catalog Number: 5843

Roman Szporluk

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

An examination of the making and remaking of nations in East Europe, focusing on the three interrelated cases of Poland, Russia, and Ukraine. This survey of intellectual and political history extends from the partitions of Poland by Russia, Austria, and Prussia to socialist and nationalist revolutions of 1917-1920 and the territorial and political settlement of 1919-1921.

History 1522. East-Central Europe in the 20th Century

Catalog Number: 0701

Patrice Marie Dabrowski

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

An introduction to the history of the lands between Germany and Russia/USSR (with particular reference to the experiences of Poles, Czechs, Hungarians, Slovaks, and Jews) during a century of tremendous change. Will explore life in the final years of the Habsburg, Hohenzollern, and Romanov empires; the problematic “nation-states” of the interwar period; the watershed of World War II; the post-war communist experience; the revolutions of 1989; and post-communism. Sources include literary works and film.

History 1523. Forging the Future, Imagining the Past: Festivals and Commemorations in Modern Europe

Catalog Number: 3462

Patrice Marie Dabrowski

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the phenomenon of publicly celebrated festivals and commemorations and their impact on national development in modern Europe-East as well as West-since the French Revolution. Topics include memory and forgetting; the “invention of tradition”; the popularization of cult figures and collective heroes; the erection and destruction of monuments; and the reconfiguring of time and space.

History 1531. History of the Soviet Union, 1917–1991

Catalog Number: 4501

Terry D. Martin

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Examines the history of the Soviet Union from its establishment with the 1917 Russian Revolution through to its collapse after Gorbachev’s unsuccessful reforms in 1991. Special



attention will be devoted to the period of high Stalinism (1928-53), when the abolition of the market, nationalization of all industry and land, rapid industrialization and political terror created a distinct Soviet society and culture. Readings will consist mostly of primary sources: novels, short stories, memoirs, Soviet propaganda, diaries, underground essays, songs, jokes, etc.

[History 1537. Stalinism and Nazism: Conference Course]

Catalog Number: 0631

Terry D. Martin

Half course (fall term). Hours to be arranged.

Compares and contrasts the two great modern European dictatorships. Topics include the role of the leader, propaganda and public opinion, the totalitarian Party, state surveillance, state terror, the role of ordinary citizens in abetting or resisting state oppression, total war, nationality and colonialism, everyday life, petitioning and survival strategies, consumption and rationing.

Note: Expected to be given in 2002–03.

History 1542. Intellectual and Cultural Controversies: The Russian Intelligentsia: Conference Course

Catalog Number: 2123

Eric Lohr and Julie A. Buckler

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

The intelligentsia, its emergence, ethos and place in Russian society. Examines selected major intellectual controversies and debates from the late 18th century to the early 20th century.

Primarily for Graduates

History 2310. Problems in Late Medieval and Early Modern Europe 1250-1750: Seminar

Catalog Number: 9057

Steven Ozment

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

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 2312 (formerly History 2377). The German Family, 1250–1750: Seminar]

Catalog Number: 8806

Steven Ozment

Half course (fall term). Hours to be arranged.

An introduction to research in German family history, including German script, during the late medieval and early modern periods. Requires a basic reading knowledge of modern German. Highly recommended for upper level undergraduates and graduate students seeking to improve their reading knowledge of German and/or prepare for research in German archives. Both group and individual instruction.

Note: Expected to be given in 2002–03.

[History 2332 (formerly *History 2400). Early Modern England: Seminar]

Catalog Number: 7105 Enrollment: Limited to 10.



Mark A. Kishlansky

Half course (spring term). Hours to be arranged.

Students will conduct primary research on topics of significance in the history of England, ca. 1563–1714.

Note: Expected to be given in 2002–03.

History 2342r (formerly History 2462r). 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.

[*History 2344. Theories of Modern European Imperialism: Proseminar]

Catalog Number: 9030

Thomas Robert Travers

Half course (fall term). Hours to be arranged.

An intensive introduction to major historical theories of the growth of European empires, with a primary focus on the British empire. Will cover older theories of political economy, as well as more recent ‘post-colonial’ theory. Readings will include Hobson, Lenin, Schumpeter, Said and Spivak.

Note: Expected to be given in 2002–03. Primarily for graduate students, but open to advanced undergraduates by permission of the instructor.

[History 2472. Republics and Republicanism]

Catalog Number: 6622

James Hankins and Harvey C. Mansfield

Half course (spring term). Hours to be arranged.

Ancient and modern republics studied with a view to republican virtue, civic humanism, constitutions, and democracy. Readings include Aristotle, Machiavelli, Montesquieu, Rousseau, Tocqueville.

Note: Expected to be given in 2002–03. Open to all qualified undergraduates.

[History 2473. Cultural and Intellectual History of Renaissance Italy: Proseminar]

Catalog Number: 0140

James Hankins

Half course (spring term). Hours to be arranged.

Topics include civic humanism and republicanism; Renaissance historiography and its modern context; the revival of ancient philosophical systems and the challenge to Aristotelianism and scholasticism; humanist educational theory and practice. Readings in contemporary sources.

Note: Expected to be given in 2002–03. 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 (spring term). W., 2–4. EXAM GROUP: 7, 8

A thematic course dealing with major topics in German history from the middle of the 19th century to the Third Reich. A recurrent question is the relationship of “modern” and “anti-modern” in this period.

Note: Reading knowledge of German not required.

***History 2511. Socialism and Nationalism: Seminar**

Catalog Number: 6556

Roman Szporluk

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Nationalism and socialism and their interaction with special reference to Poland, Russia, and Ukraine in the 19th and 20th centuries.

[History 2531. Stalinism: Seminar]

Catalog Number: 7969

Terry D. Martin

Half course (fall term). Hours to be arranged.

Acquaints students with the available archival and published sources for the study of the Soviet Union from 1917 to 1953. Briefly surveys and examines the recent historical debates concerning the Stalinist state and society. Primary focus will be on writing a major research paper.

Note: Expected to be given in 2002–03.

History 2533. Identity in History and Politics: Seminar

Catalog Number: 9108

Terry D. Martin, Iain Johnston, and Yoshiko M. Herrera

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Analyzes how the concept of identity is currently being used in the social sciences, particularly history and political science. Examines classic works on racial, ethnic, national, regional, transnational, class, status, gender and religious identity in history and political science. Focus will be on defining identity more precisely and, in particular, exploring and evaluating new techniques for measuring identity.

History 2552. 20th-Century European History: Seminar

Catalog Number: 3474

Charles S. Maier

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Major themes and interpretive controversies in contemporary European history. Topic for Fall 2001: Aftermaths: International, political, and judicial.

Cross-listed Courses

[Historical Study A-27. Reason and Faith in the West]

Historical Study A-70. International History

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-53. World War and Society in the 20th Century: World War I



[Historical Study B-54. World War and Society in the 20th Century: World War II]

[Historical Study B-56. The Russian Revolution](#)

[Historical Study B-57. The Second British Empire](#)

[History 1656. The 19th-Century Bourgeoisie: Western Europe and the U.S.: Seminar]

[*Philosophy 191. Philosophy and History: The Russian Revolution: Proseminar](#)

History of the United States

For Undergraduates and Graduates

[History 1602. The Frontier in Early America]

Catalog Number: 8547

Joyce Elizabeth Chaplin

Half course (fall term). Hours to be arranged.

Examines the significance of the frontier in early American history, 1500-1800. Focus on the topics of war, trade, and cultural exchange among the native, British, French, Spanish, and African inhabitants of North America. Major themes include captivity, identity, and religious-cultural conversion.

Note: Expected to be given in 2003–04.

[History 1603. The Cultural History of the First British Empire]

Catalog Number: 3920

Joyce Elizabeth Chaplin

Half course (spring term). Hours to be arranged.

Primary focus on the emergence of the first British empire in the 18th century, with some background on English colonization of America in the 17th century. Topics include: creation of Great Britain; expansion of British overseas interests in America, Africa, and Asia; development of creole cultures; British imperial policy and frontier crises; transatlantic cultural connections.

Note: Expected to be given in 2003–04.

[History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Conference Course](#)

Catalog Number: 2479

Laurel Thatcher Ulrich and Ivan Gaskell

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Using case studies drawn from Harvard collections, students will explore a range of methods used in interpreting art and artifacts from colonial North America (including Spanish America) and the early United States. 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.

[History 1618. Material Life in Early America]

Catalog Number: 5761

Laurel Thatcher Ulrich

Half course (fall term). Hours to be arranged.



The history of early America through the lens of “material culture” — the ways in which human beings comprehended and altered their physical environment, from John White’s watercolors of Roanoke Indians in the 1580s to Alexander Hamilton’s census of household manufactures in 1810. Emphasis on the development of distinctive regional economies (the fur trade, plantation agriculture, subsistence farming) and on the intersection of public events with the rhythms and artifacts of ordinary life. Readings drawn from interdisciplinary scholarship in history, historical archaeology, demography, and the decorative arts.

Note: Expected to be given in 2002–03.

[History 1620. History of the Old South]

Catalog Number: 4210

Susan O’Donovan

Half course (spring term). Hours to be arranged.

Survey of the history of the Southern states from African and European settlement to the Civil War. Will focus on the culture and scholarship of the Old South as the center of the nation’s greatest trauma (the Civil War) and its greatest and most pressing dilemma (race.)

Note: Expected to be given in 2002–03.

History 1622. Readings in the History of Slavery: Conference Course

Catalog Number: 9361

Susan E. O’Donovan

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Examines the scholarship that is reopening the study of slavery in antebellum America, specifically an exploration of the characterization of the “rigid and static nature of antebellum slavery.”

[History 1624 (formerly History 1620). Jacksonian America, 1815–1845]

Catalog Number: 5450

Catherine A. Corman

Half course (fall term). Hours to be arranged.

An examination of U.S. history during the age of Andrew Jackson, with attention to economic, political, social, and intellectual developments. Topics include the development of a democratic political culture; the process of cultural industrialization; the market revolution and the commercialization of society; workers’ lives; changes in the family and women’s role; revivalism; the romantic movement; and the beginnings of modern American culture.

Note: Expected to be given in 2003–04.

History 1632. Gilded Age America: Economy, Society and Politics: Conference Course

Catalog Number: 4733 Enrollment: Limited to 12.

Sven Beckert

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Will analyze both the dynamics of economic, social and political change during the Gilded Age and how Americans tried to come to terms with a world so different from the one they had inherited. Will explore the emergence of a more productive, larger and more centralized economy, new industries, the railroads, the changing face of cities, the social conflict resulting



from the unequal distribution of new wealth, and the dramatic economic changes that put strains on the nation's political system.

***History 1635 (formerly History 1659 and 90h). Race and Race Relations Since Plessy: Conference Course**

Catalog Number: 4172 Enrollment: Limited to 15.

Stephan Thernstrom

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of the changing position of blacks in American 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; *Brown v. Board*; the Civil Rights Act of 1964; and the Voting Rights Act of 1965; the crisis of the late sixties; the Kerner report, and the legislative, executive, and judicial initiatives that followed in its wake; trends since the 60's. Readings include court decisions, government reports, monographs, interpretive historical works, and some fiction and autobiography.

History 1638. United States Social History, from 1929 to the Present

Catalog Number: 5967

Stephan Thernstrom

Half course (spring term). Tu., Th., at 11, plus one hour to be arranged for sections. EXAM GROUP: 13

An analysis of major social changes from the 1920s to the present. Topics include population patterns, industrial growth, urban development, the class structure, ethnic and racial relations, gender roles, and education.

[History 1640 (formerly History 1660). The United States since World War II]

Catalog Number: 6155

Lizabeth Cohen

Half course (spring term). Hours to be arranged.

An examination of American politics, society and culture from 1945 to the present. Topics include the Cold War, suburbanization and mass consumption, anticommunist crusades, the evolution of American liberalism, the civil rights movement, the war in Vietnam and the antiwar movement, second-wave feminism, and competing visions of the welfare state.

Note: Expected to be given in 2003–04.

[History 1642b. U.S. Women's and Gender History, Turn of the Century to the Present]

Catalog Number: 3607

Ruth Feldstein

Half course (spring term). Hours to be arranged.

An examination of women's experiences, and a study of masculinity and femininity as historically specific concepts in 20th-century U.S. history. Topics include sexual practices and beliefs, gender and the welfare state, gender and civil rights activism, women's liberation, and "post-feminism".

Note: Expected to be given in 2002–03.



[*History 1643. The Confederacy: Conference Course]

Catalog Number: 2829 Enrollment: Limited to 15.

William E. Gienapp

Half course (fall term). Hours to be arranged.

An examination of the history of the Confederacy from the secession of the states of the Deep South in the winter of 1861 until the surrender of the Confederacy in 1865. Emphasis will be on developments in the South rather than on the events of the Civil War. Topics will include Jefferson Davis and Confederate politics, the economy and the home front, the destruction of slavery, common soldiers, the internal causes of the Confederacy's eventual defeat, and southern memory of the war.

Note: Expected to be given in 2003–04.

History 1644. Reconstruction, 1865-1877

Catalog Number: 8635

William E. Gienapp

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

An examination of the problem of reconstructing the Union after the Civil War. Both national developments and developments in the South will be considered. Topics will include the clash between the executive branch and Congress over the program of Reconstruction, political and economic change in the South, race relations and black rights, the end of Reconstruction, and the legacy of Reconstruction for the nation and especially the South and African Americans. Two lectures and a section meeting each week.

***History 1645 (formerly History 1607). History of American Immigration: Conference Course**

Catalog Number: 7280 Enrollment: Limited to 15.

Stephan Thernstrom

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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; U.S. immigration policy; the economic and social adjustment of newcomers; the Melting Pot vs. cultural pluralism.

History 1646. The Challenge of Feminist Biography: Conference Course

Catalog Number: 6240

Susan W. Ware

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Surveys the history of American women in the 20th century through the lens of biography. Focus on women such as Eleanor Roosevelt, Rachel Carson, Anne Sexton, and Janis Joplin, students will be introduced to influential 20th century figures as well as important areas such as politics, the environment, literature, and popular music. The overarching theme will be the contributions of the biographical genre to the broader study of history.

[History 1647 (formerly History 1711). The United States and East Asia: Conference Course]

Catalog Number: 0455



Akira Iriye

Half course (spring term). Hours to be arranged.

Topics in the history of United States relations with the countries of East Asia, with an emphasis on problems of cultural communication, economic independence, and geopolitical rivalries.

Note: Expected to be given in 2002–03.

[History 1648. Communication in the Early Nation: Conference Course]

Catalog Number: 7491 Enrollment: Limited to 15.

Catherine A. Corman

Half course (spring term). Hours to be arranged.

An examination of how print influenced the ways Americans, including women, Indians, and African Americans, communicated and how that communication shaped the nation between 1776 and 1840.

Note: Expected to be given in 2002–03.

History 1649. The American West: 1780-1930

Catalog Number: 6636

Catherine A. Corman

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

History of the American West covering the rise and demise of Turner's frontier thesis; literary and visual conceptualizations of the mythic West; the Northwest Ordinance and the creation of "Indian Country"; land policies in the new nation; the role of Indians in the development of an American market economy; the "first Wests" of Kentucky and Ohio; the growing importance of the Southwest and its peoples; sectionalism, expansion, and the coming of the Civil War; the Indian New Deal; and the ethnic and racial complexities of a new, urban West.

[History 1650b. Foreign Relations of The United States II]

Catalog Number: 4745

Ernest R. May

Half course (fall term). Hours to be arranged.

American foreign relations since the First World War. Topics include the world role of the supposedly isolated United States in the interwar years, World War II, postwar "hegemony," the Cold War, and political, economic, and cultural interaction between Americans and other peoples.

Note: Expected to be given in 2002–03.

History 1651. History of American Capitalism

Catalog Number: 0227

Sven Beckert

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Examines the development of the American economy from its beginnings to the New Deal. Focus on the nature of economic change during the past 400 years and the reasons for and effects of capitalist growth. Topics include Native-American economies, the industrial revolution, slavery, the rise of new business structures, labor relations, and technological change.



[History 1653. Baseball and American Society, 1840–Present]

Catalog Number: 5860

William E. Gienapp

Half course (spring term). Hours to be arranged.

Examines the history of baseball within the context of cultural and social history, with focus on the ways in which baseball has reflected social, economic, and cultural changes in American history from the mid-19th century to the present. More attention will be given to the period before 1950 than the recent era.

Note: Expected to be given in 2003–04.

[*History 1655. Abraham Lincoln: Conference Course]

Catalog Number: 5041 Enrollment: Limited to 15.

William E. Gienapp

Half course (fall term). Hours to be arranged.

An examination of Abraham Lincoln's life and his significance in American history. More attention will be given to his presidency than to his career before 1860. Class meetings will focus on discussion of the assigned reading. Topics to be examined include the influence of the frontier on his character, his emergence as a national political figure, the quality of his presidential leadership, emancipation, his role as commander-in-chief, the impact of the war on his ideas, and his place in American historical memory.

Note: Expected to be given in 2003–04.

[History 1656. The 19th-Century Bourgeoisie: Western Europe and the U.S.: Seminar]

Catalog Number: 0926

Sven Beckert

Half course (fall term). Hours to be arranged.

An introduction to the history of the bourgeoisie in the U.S., England, Germany and France in comparative perspective. Delineating the role of merchants, industrialists, bankers and professionals at home, at work and in politics, the course will review large questions about the place of the bourgeoisie in 19th-century societies and its relationship to liberalism and political democracy, but also look at bourgeois gender roles, culture and religion.

Note: Expected to be given in 2003–04.

[*History 1659. U.S. Cultural History, Turn of the Century to Present]

Catalog Number: 8905

Ruth Feldstein

Half course (fall term). Hours to be arranged.

This lecture course will consider questions of who owns and defines “culture” in 20th-century U.S. history. Topics include the consumption of film, literature, television and music.

Note: Expected to be given in 2002–03.

[History 1660. Using Primary Sources in African-American History: Conference Course]

Catalog Number: 8151

Evelyn Brooks Higginbotham

Half course (fall term). Hours to be arranged.

This course offers a firsthand account of the lives of slaves and freedpeople, women and



laborers, migrants and freedom fighters in black America. Students will explore a variety of topics in 19th- and 20th-century African-American history by focusing on primary sources, such as diaries, newspapers, correspondence, census data, court records, and organizational archives. The course will emphasize how historians go about their craft of documenting and interpreting the past.

Note: Expected to be given in 2002–03.

History 1661. Social Thought in Modern America

Catalog Number: 8440 Enrollment: Limited to 70.

James T. Kloppenberg

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An inquiry into American ideas since 1890, examining developments in political and social theory, philosophy, and literature in the context of socioeconomic change. Topics include the breakdown of Victorian idealism and laissez-faire; the emergence of social science and progressivism; conflicts over gender, race, and ethnicity; interwar cultural ferment and political reform; post-World War II theories of consensus and 1960s radicalism; and the consequences for democracy of our contemporary culture of irony.

Note: Expected to be omitted in 2002–03.

History 1665. Crime and Criminal Justice in the U.S., 1776-1999

Catalog Number: 8537

Rebecca Mary McLennan

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

This lecture course explores the social and political history of crime, criminal law, policing and punishment in the United States since the Revolution. Reading both primary and secondary sources, we will consider permutations in the legal and cultural meanings of crime since 1865; the rise of the police; the consolidation of the modern, prison-based criminal justice system in the late 19th and early 20th centuries; the rise and fall of “extra-legal” forms of policing punishment (such as lynching); and the contested politics of “law and order” since World War II.

***History 1667. Imagining America, 1776-Present**

Catalog Number: 4160

Akira Iriye and Rebecca Mary McLennan

Half course (spring term). Tu., Th., 2:30–4; Th., 2:30–4. EXAM GROUP: 16, 17

Examines various foreign perspectives on American politics, law, and society from the 1770s to the present day. Explores the significance of the United States in modern world history and the history of the United States itself, with a view to discerning the unique as well as the universal character of its politics, law, and society.

History 1670. The New Deal: The United States During the Roosevelt Years: Conference Course

Catalog Number: 4878 Enrollment: Limited to 15.

Lisa M. McGirr

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

An exploration of the trajectory of New Deal reform and the broader social, economic, political, and cultural changes in the United States in this period. Topics will include the First and Second



New Deal, the rise of liberalism, the Roosevelt administration, the social movements of the Left and the Right during the 1930s, the coming of war, and the waning of the reform impulse.

History 1672. The United States in the 1960s

Catalog Number: 5900

Lisa M. McGirr

Half course (spring term). M., W., at 11. EXAM GROUP: 4

An introduction to the main developments in American society, culture, and politics during the premiere liberal decade of the 20th century. Topics will 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.

[History 1673. Conservatism and Right-Wing Politics in 20th-Century American Life: Conference Course]

Catalog Number: 2340 Enrollment: Limited to 15.

Lisa M. McGirr

Half course (spring term). Hours to be arranged.

An introduction to debates among historians and social scientists on the American Right. Will examine ideas, social groups, and cultural settings that have contributed to shaping the various strands of American conservatism in the 20th century—from the religious Right and movements of populist reaction to libertarianism. Topics will include religious fundamentalism, the Ku Klux Klan in the 1920s, the Right during the Great Depression, McCarthyism, the conservative intellectual movement since 1945, the John Birch Society, the Goldwater movement, and the New Right.

Note: Expected to be given in 2002–03.

[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 2003–04.

History 1677. U.S. History, 1968 to Present

Catalog Number: 6176

Bruce Joseph Schulman (Boston University)

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

The political, cultural, economic and social history of the United States since 1968. Topics include Nixon, Carter, Reagan and Clinton presidencies, Watergate, Me Decade, Yuppies and the end of the Cold War.



Cross-listed Courses

[Afro-American Studies 110. African-American Women's History: Seminar]
[Afro-American Studies 133. African-Americans in the Civil War Era: Conference Course](#)
[Afro-American Studies 191. The Civil Rights Movement: Seminar]
[*Economics 1357. Historical Perspectives on American Economic Ascendancy]
[Economics 2330. The Development of the American Economy]
[Historical Study A-35. Democracy in America and Europe](#)
[Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America](#)
[Historical Study B-42. The American Civil War, 1861–1865](#)
[Historical Study B-61. The Warren Court and the Pursuit of Justice, 1953–1969](#)
[Religion 1504. Religion in America: From the Coming of the Europeans to the 1870s](#)

Primarily for Graduates

[History 2600 \(formerly History 2605\). Readings in Colonial and Revolutionary America: Proseminar](#)

Catalog Number: 9176

Joyce Elizabeth 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 U.S. history. Open to those from other fields of programs.

[History 2601. The U.S. in the 20th Century: Seminar]

Catalog Number: 1270 Enrollment: Limited to 10.

Lizabeth Cohen

Half course (fall term). Hours to be arranged.

Research on topics in 20th-century U.S. history.

Note: Expected to be given in 2002–03.

[History 2602. Readings in the United States in the 19th Century: Proseminar]

Catalog Number: 2383

William E. Gienapp

Half course (fall 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. Readings will be drawn from a variety of secondary works, including classic as well as recent studies, with particular attention to the relationship between politics, society, and culture. The course will consider the themes of nationalism and regionalism along with the experience of particular social groups.

Note: Expected to be given in 2002–03.

[History 2606. Early American Social History: Seminar]

Catalog Number: 6049

Laurel Thatcher Ulrich



Half course (spring 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 2002–03.

History 2607 (formerly History 2603). Readings in the United States in the 20th Century: Proseminar

Catalog Number: 2931

Lisa M. McGirr

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The third 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. Readings in a combination of classics and recent monographs and articles, with particular attention paid to making connections between politics, social life, and culture. The course will strive to integrate the experiences of diverse social groups into an understanding of the central historical and historiographical issues in the 20th century.

History 2610. Race in Early America: Status, Identity and Power: Seminar

Catalog Number: 9276

Joyce Elizabeth Chaplin

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A research seminar in American history in which each student will complete an article-length essay based on original research.

History 2612 (formerly History 2602). 19th-Century United States: Research Seminar

Catalog Number: 6686 Enrollment: Limited to 10.

William E. Gienapp

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

[History 2630. Intellectual History]

Catalog Number: 2382

James T. Kloppenberg

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2004–05.

History 2661. Graduate Readings in 20th-Century African-American History

Catalog Number: 9004

Evelyn Brooks Higginbotham

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Covers key literature on topics in 20th-century African-American history. Reading classic and more recent works, graduate students will investigate critical themes and events from the birth of Jim Crow at the turn of the century to the legal climate of the 1990s.

History 2662. Readings in American Thought

Catalog Number: 8845 Enrollment: Limited to 20.

James T. Kloppenberg



Half course (fall term). F., 12–2. EXAM GROUP: 5, 6

An examination of classic and contemporary histories of American thought.

Note: Expected to be omitted in 2003–04.

[History 2663. Graduate Readings in U.S. Women's History]

Catalog Number: 6905

Evelyn Brooks Higginbotham

Half course (spring term). Hours to be arranged.

Readings in U.S. women's history from the Colonial period to the early 20th century.

Note: Expected to be given in 2002–03.

***History 2671. American Social History: Seminar**

Catalog Number: 0969

Stephan Thernstrom

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

History of Latin America

For Undergraduates and Graduates

[History 1740. The Andes: Pre-Conquest to Present: Conference Course]

Catalog Number: 8922 Enrollment: Limited to 15.

Jane E. Mangan

Half course (spring term). Hours to be arranged.

A history of the Andes, a region characterized by the dominance of native cultures from pre-Columbian times to the present. Particular attention to the social and political expressions of resistance to ruling hierarchies. Topics include Inca Empire, impact of Spanish rule on Andean society, religious resistance, native rebellions, transition to nationhood, and recent political history. Focus on Bolivia, Ecuador, and Peru.

Note: Expected to be given in 2002–03.

History 1741. Gender and History in Latin America

Catalog Number: 1467

Jane E. Mangan

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A study of Latin American history with a focus on the distinct patterns of gender relations that have dominated Latin American society for hundreds of years. Themes include gender and conquest, women slaves, paternalism, negotiation of honor, religion and social control, gender and social change, women and the law, the gendered world of labor, sexuality, and family and migration.

History 1742. Religion and Social Change in Latin America: Conference Course

Catalog Number: 2256 Enrollment: Limited to 15.

Jane E. Mangan

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course studies the role of religious belief and practice in the history of the Andes, Brazil,



Mexico, and the Caribbean with a focus on the nexus between religion and social change. Students will consider the variety of religious traditions engendered by the distinct pre-Columbian, African, and European cultures that have influenced religious belief and practice in the region since the sixteenth century. Topics include individual and community responses to the Catholic Church, campaigns against idolatry, the relationship of religious tradition to political culture, religion and revolution, the gendered practice of religion, and the introduction of Protestantism and Evangelism.

[History 1757 (Formerly 1760a.). History of Latin America to 1825]

Catalog Number: 5991

Jane E. Mangan

Half course (fall term). Hours to be arranged.

A survey of Latin American history from the eve of Spain's conquest of the Americas in 1492 to the era of Latin American independence in the early 19th century. Focus on Mexico and the Andes, with comparison to the Caribbean, Brazil, and Rio de la Plata. Study of government priorities, religious debates, economic exploits, native resistance, and social tensions that shaped Spain's attempts to control her "new world" and, ultimately, created shadows that lurk in 20th-century Latin America. Consideration of a range of colonial experiences including African slaves, *mestizos*, indigenous peoples, and newcomers from Spain.

Note: Expected to be given in 2002–03.

History 1758. Latin America from Independence to 1914

Catalog Number: 5574

John H. Coatsworth

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

A survey of the formation of nation states and national economies in Latin America, from the collapse of the colonial empires of Spain and Portugal to World War One. Will analyze the causes and effect of independence, the fragmentation of the Spanish colonies into independent states, the economic decline after independence, the slave revolts and peasant rebellions of the early 19th century, and the formation and fracturing of national governments.

Note: Expected to be omitted in 2002–03.

History 1759 (formerly History 1760b). The History of Latin America, 1914-2002

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 struggles for power, justice, progress, and security.

Primarily for Graduates

***History 2781 (formerly *History 1781). Modern Mexican History: Seminar**

Catalog Number: 5731

John Womack, Jr.

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9



Topics for 2001-2002: Industrial development; industrial labor markets and industrial work; and divisions of labor; their consequences in modern Mexican society and politics.

***History 2782. The Economic History of Latin America: Seminar**

Catalog Number: 4261 Enrollment: Limited to 15.

John H. Coatsworth

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines the evolution of the Latin American economies from the colonial era to the 20th-century. Topics include the measurement of early modern economic activity, economic growth and institutional change, the impact of external economic relations, land tenure and agricultural development, strategies of industrialization, and issues of political economy.

Note: Rudimentary economics, some Latin American history, and Spanish or Portuguese helpful but not required. Undergraduates may enroll with the permission of the instructor.

[History 2784. Issues in Colonial Latin American History: Proseminar]

Catalog Number: 5494

Jane E. Mangan

Half course (fall term). Hours to be arranged.

An in-depth study of scholarship in colonial Latin American history for the period from conquest through the wars of independence. Topics include conquest and settlement; the economics of empire; indigenous communities; natural resources and labor; resistance to colonial rule; race, class and social order. Emphasis on historiographical debates instead of chronological narrative.

Note: Expected to be given in 2002–03. Primarily for graduate students, though advanced undergraduates may take the course with special permission of the instructor. Reading knowledge of Spanish helpful.

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). M., W., at 2. EXAM GROUP: 7

Vietnamese history from antiquity to the founding of the Nguyen dynasty in 1802 with emphasis on the period following independence from China in the 10th century. Topics include the Sinicization of Vietnam and the sources of Vietnamese national identity; tensions between aristocratic and bureaucratic rule; territorial expansion and national division; first contacts with the West; the changing status of women.

History 1821. Modern Vietnam

Catalog Number: 8192

Hue-Tam Ho Tai

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Survey of Vietnamese history from 1802 to the present. Covers the period of unified rule under the Nguyen dynasty, French colonial conquest, the struggle for independence, the Vietnam War,



and the recent unification under Communism. Major topics include the relationship between the state, the village, and the individual; the transformation of Vietnamese society, culture, and politics under French rule; the rise of nationalism and Communism; the causes and consequences of the Vietnam War.

[History 1831. China's Partners: Conference Course]

Catalog Number: 6043 Enrollment: Limited to 15.

William C. Kirby

Half course (spring term). Hours to be arranged.

Analysis of Sino-foreign cooperative efforts from late Imperial times until the present, with emphasis on economic and cultural relations. Studies distinguishing characteristics of bilateral exchanges between China and Western European nations, the Soviet Union, Japan, and the United States; examines China's evolving role in international organizations; and explores the official and private spheres of Chinese involvement in international economic, cultural, and scholarly life.

Note: Expected to be given in 2002–03. For advanced undergraduates and graduates.

History 1851 (formerly History 1851b). 20th-Century Japan:Conference Course

Catalog Number: 8696

Andrew Gordon

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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?

[History 1854. Gender and Japanese History: Conference Course]

Catalog Number: 5348 Enrollment: Limited to 15.

Daniel V. Botsman

Half course (spring term). Hours to be arranged.

This course will focus on gender and sexuality to explore important aspects of Japanese social history. The time span covered is broad but there will be more emphasis on the modern era. Specific topics will include women and feudalism; male-male sexuality; the rise of Japanese feminist consciousness; prostitution; women in the industrial labor force; women and World War II; and changing ideas about gender and sexuality in the post-war period.

Note: Expected to be given in 2002–03.

Prerequisite: At least one course on either Japanese History or Gender History.

History 1862. Memory and History: Remembrance of the Australian Past: Conference Course

Catalog Number: 5650

Marilyn Lake (LaTrobe University)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An investigation of the relationships between memory and history in the context of the Australian nation. Will explore the relationship of various forms of first person narrative and history; the role of public commemorations of centennials and bicentennials of 'settlement' in



constructing histories of settler societies; and the injunction to remember the war dead in shaping the 'social memory' of the nation.

History 1863. Australian History: Class, Gender and Race

Catalog Number: 3479

Marilyn Lake (LaTrobe University)

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Explores the ways in which the writing of Australian history has constructed the nation in terms of class, gender and race. Topics include: the dispossession of the Aborigines; the convicts as founding mothers and fathers; the mythologies surrounding war; the ascendancy and decline of Labour history; the challenge of feminist history; and the controversy provoked by so-called 'black armband history' in the 1990s.

History 1877b. History of the Near East, 1055–1517: Conference Course

Catalog Number: 3026

Roy Mottahedeh

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Surveys history of the Near East from the coming of the steppe peoples to the Ottoman conquest of Egypt. Includes Seljuks, Crusades, Mongols, and the fall of the Abbasid caliphate, Mamluks, the development of Mediterranean and Indian Ocean trade, and the Timurids and their successors.

Note: History 1877a helpful, but not required.

[History 1878a. Ottoman State and Society I (1300–1550)]

Catalog Number: 5471

Cemal Kafadar

Half course (fall term). Hours to be arranged.

Surveys the emergence of the Ottoman state from a frontier principality into a world empire in its sociopolitical and cultural contexts. Topics include pre-Ottoman Anatolia; frontier society; methods of conquest; centralization of power; classical institutions of the land regime and of the central administration; urbanization; religion and literature. Relations with Byzantium, other Islamic states, and Europe are examined.

Note: Expected to be given in 2002–03.

History 1878b. Ottoman State and Society II (1550–1920)

Catalog Number: 6470

Cemal Kafadar

Half course (fall term). Tu., Th., F., at 12 and a section on Friday at 12. EXAM GROUP: 5, 14

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, and family life are also examined. The importance of this era for understanding today's Middle East is stressed.



History 1885. The Making of Modern Egypt, 1840-2000

Catalog Number: 2499

E. Roger Owen

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A history of Egypt's socio-economic and political development, making use of the rich historical literature, and posing questions about the conventional narrative treatment of such major issues as the colonial impact, the rise of the nationalist movement, the supposed failure of the liberal experiment and the uses and abuses of revolution.

Note: Expected to be omitted in 2002–03.

[History 1889. Transmission of Traditional Islamic Learning in the Middle East from the Beginning of Islam to the Present]

Catalog Number: 2155 Enrollment: Limited to 12.

Roy Mottahedeh

Half course (spring term). Hours to be arranged.

A study of the transmission of Islamic learning in the Middle East, principally in the institutions of learning called *madrasahs*, but also in private circles, from the 7th century to the present.

Topics include the origins of the study of scripture; the origins of the *madrasah*; permissions to teach; curriculum; methods for examining the accuracy of manuscript copies; the influence of Sufi mystical orders in styles and methods of teaching; reaction to the introduction of printing; modern attempts at state control of *madrasahs*.

Note: Expected to be given in 2002–03.

Prerequisite: A course in the history of the Islamic Middle East, premodern or modern.

History 1890b. The Economics of the Middle East

Catalog Number: 1249

E. Roger Owen

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

A critical overview of the processes of economic growth and transformation in the Middle East from World War I 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.

History 1895. The Indian Ocean in Comparative Perspective: Conference Course

Catalog Number: 8123

Sugata Bose

Half course (fall 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 1901. The History of Africa to 1860]

Catalog Number: 3034

Half course (fall term). Hours to be arranged.

An introductory history of Africa from earliest times to 1860, on the eve of European conquest.



Will explore the themes of the relationship between rulers and peasants in the political culture of village and state societies, ecological and environmental change, Africa's integration into the world economy, and the early formative history of South Africa.

Note: Expected to be given in 2002–03.

History 1903. Modern Africa from 1850 to the Present

Catalog Number: 3725

Caroline M. Elkins

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Explores the history of sub-Saharan Africa from the mid-19th century to the present, providing a detailed overview of the main trends in the continent's history, using specific case studies for illustrative examples. Topics include the importance of environment and disease in understanding African history; the continent's shifting commercial involvement with Europe; the technologies of Western imperialism and the impact of colonial rule; the transformation of African economies and societies; Christianity and Islam; and gender and relations.

[History 1906. West Africa from the Earliest Times to 1800]

Catalog Number: 1425

Emmanuel K. Akyeampong

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

[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 2003–04.

[History 1908. Rethinking Gender in African History: Conference Course]

Catalog Number: 4526

Emmanuel K. Akyeampong

Half course (spring term). Hours to be arranged.

Examines continuity and change in gender roles from the precolonial era to the present, defining gender as a social construct. Themes include production and reproduction; gender, knowledge, and rituals of transformation; gendered experiences of colonialism and capitalism; and divorce, widowhood, and inheritance in Africa.

Note: Expected to be given in 2002–03.



[History 1910. Islam in Sub-Saharan Africa, 630 C.E. to the Present: Conference Course]

Catalog Number: 7203

Emmanuel K. Akyeampong

Half course (spring term). Hours to be arranged.

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; the form Islam took in North Africa and how this influenced the “flavor” of Islam in sub-Saharan Africa; conversion to Islam in sub-Saharan Africa; Islam, trade, and state formation; Islamic theology, Muslim Brotherhoods and the eighteenth revival; the West African jihads; Islam under colonial rule; Islam and gender; and Islam in contemporary Africa.

Note: Expected to be given in 2003–04.

History 1911. A History of Southern Africa

Catalog Number: 6238

Caroline M. Elkins

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Introduction to the history of southern Africa from the settlement of the Bantu peoples to the present. Topics include early state formation, the rise of Shaka, and the Mfecane; impact of Dutch and British settlement; labor relations before and after the discovery of gold and diamonds; growth of ethnic and national consciousness; evolution of the apartheid state and African responses to racial segregation and oppression; Zimbabwean revolution; and liberation of Namibia from South African rule.

[History 1912. Health, Disease and Ecology in African History: Conference Course]

Catalog Number: 5905

Emmanuel K. Akyeampong

Half course (fall 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 2002–03.

History 1915. Christianity in Sub-Saharan Africa: Conference Course

Catalog Number: 6769

Caroline M. Elkins

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Explores the impact of Christianity on the history of sub-Saharan Africa beginning with the expansion of the Coptic Church in Ethiopia to the present. The course will focus on the form and content of Christian belief and practice, and the inter-relationship between Christianity and social and political change.

***History 1920. Revisions in the History of Imperialism**

Catalog Number: 5142

Antony Gerald Hopkins (University of Cambridge)



Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

A reassessment of the history of European and Western imperialism during the last five centuries, with an emphasis on the 19th and 20th centuries. Will examine the central theme of power in international relations: its sources, forms of expression, and consequences, and how it was managed and manipulated by all the parties it touched. The underlying argument will turn on the need to reinvent imperial history in the light of the contemporary debate on globalization.

History 1921. The Partition of Africa Revisited: Conference Course

Catalog Number: 0964

Antony Gerald Hopkins (University of Cambridge)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of a number of case studies from different parts of Africa to determine the balance between internal and external forces at the moment when the frontier between them was about to be changed, inaugurating the era of colonial rule and reverberating down to the present day.

Cross-listed Courses

[Arabic 144. Sources for the Study of Islamic History]

Chinese History 111. Introduction to Chinese History: Pre-Imperial and Imperial China, ca. 1700 B.C.–A.D. 755

Chinese History 116c. Modern Chinese Intellectual History

Chinese History 211. Research on Chinese History and Civilization: Tools and Methods

[Chinese History 224. Introduction to T'ang and Sung Historical Sources]

Chinese History 235. Topics in Warring States History: Seminar

Chinese History 251. Confucian Ethics: Conference Course

Foreign Cultures 60. Individual, Community, and Nation in Vietnam

Historical Study A-13. China: Traditions and Transformations

Historical Study A-14. Japan: Tradition and Transformation

Historical Study A-16. The Making of Modern South Asia

Historical Study A-74. Contemporary China: The People's Republic and Taiwan in the Modern World

[Historical Study A-77. The Emergence of Modern China, ca. 1600-2000]

Historical Study A-81. Chinese Emigration in Modern Times

[Historical Study B-52. Slavery and Slave Trade in Africa and the Americas]

[Historical Study B-67. Japan's Modern Revolution]

[Historical Study B-68. America and Vietnam: 1945–1975]

[Islamic Civilizations 121. North Africa, 1500 to the Present]

[Japanese History 111a. The Early History of Japan: Conference Course]

Japanese History 111b. The Shogun's Realm, 1600–1868: Conference Course

Japanese History 116a. History of Japanese Religions: Conference Course

Japanese History 116b. History of Japanese Religions: Conference Course

Korean History 111. Traditional Korea

Korean History 114. Modern Korea

Korean History 118. History of the Chosôn Dynasty: Conference Course



Literature and Arts C-40. The Chinese Literati

[Persian 150r. Readings in Persian Historians, Geographers and Biographers]

Primarily for Graduates

[History 2821. Readings in Vietnamese History]

Catalog Number: 7625

Hue-Tam Ho Tai

Half course (spring term). Hours to be arranged.

Reading of selected texts in English in modern Vietnamese history.

Note: Expected to be given in 2003–04. Primarily for graduate students, but open to advanced undergraduates as well.

History 2830a. Late Imperial and Modern Chinese History: Proseminar

Catalog Number: 6453

Philip A. Kuhn and William C. Kirby

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Treats the history of the field by examining recent scholarship in its intellectual context.

Note: Primarily for graduate students preparing for the general examination, but open to others as well.

***History 2831r. Research Topics in Modern Chinese History: Seminar**

Catalog Number: 6017

Philip A. Kuhn

Half course (fall term; repeated spring term). Tu., 2–4. EXAM GROUP: 16, 17

Primary research on selected topics in Chinese history since the 17th century. Consult instructor for details of the current research topic.

Note: Intended for graduate students with a reading knowledge of Chinese.

History 2847. 20th-Century China: Seminar

Catalog Number: 0279

William C. Kirby

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Designed for graduate students who wish to pursue original research in Chinese history of the 20th century. Students are introduced to major research aids and published documentary collections. Surveys archival and library holdings on modern and contemporary China in Asia, Europe, and the United States. Students translate primary source materials and write and present a research paper.

Prerequisite: Reading knowledge of Chinese.

[History 2848a. Introduction to Archival Research in Chinese History: Conference Course]

Catalog Number: 1863

Philip A. Kuhn

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 2002–03. 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

Philip A. Kuhn

Half course (spring term). Hours to be arranged.

Research papers prepared on the basis of published collections of archival documents on Qing and modern history.

Note: Expected to be given in 2002–03.

Prerequisite: History 2848a or equivalent.

***History 2851. Japanese History: Seminar**

Catalog Number: 5146

Andrew Gordon and Harold Bolitho

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Prerequisite: Reading knowledge of Japanese.

[History 2852. Topics in Modern Japanese History: Proseminar]

Catalog Number: 0481 Enrollment: Limited to 15.

Daniel V. Botsman

Half course (fall term). Hours to be arranged.

Readings of documents and secondary works on topics in modern Japanese history.

Note: Expected to be given in 2002–03.

Prerequisite: Reading knowledge of Japanese.

[History 2854. Issues in Tokugawa and Meiji History: Seminar]

Catalog Number: 0305 Enrollment: Limited to 15.

Daniel V. Botsman

Half course (fall term). Hours to be arranged.

Explores new perspectives on a number of key historiographical issues in the study of Tokugawa and Meiji Japan. Engages both topics of current interest among historians in Japan and theoretical literature from outside the field of Japanese history.

Note: Expected to be given in 2003–04.

[History 2884. Topics in Ottoman Social and Cultural History: Seminar]

Catalog Number: 3762

Cemal Kafadar

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Reading knowledge of Turkish.

History 2886. Topics in Islamic History: Seminar

Catalog Number: 3470



Roy Mottahedeh

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

History 2887a (formerly History 2887). 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 questions and debates in recent writings on the economic and social transformation of the Middle East, including the use of concepts of class, status and sect; the study of popular movements and revolutions; the impact of imperialism and colonialism; and the analysis of 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 (spring term). W., 3–5. EXAM GROUP: 8, 9

Major questions and debates in recent writings on the political and ideological history of the Middle East, including the concepts of Orientalism, nationalism, power and authority, and tradition and modernity; revisions of the nationalist narrative; and attempts to explore new types of historical writing.

History 2909. Themes in Modern Sub-Saharan African History: Proseminar

Catalog Number: 5840

Caroline M. Elkins

Half course (fall term). W., 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: Undergraduates may enroll with the permission of the instructor.

Cross-listed Courses

Chinese History 226. Introduction to Sources for Local History

Chinese History 227r (formerly Chinese History 227z). Topics in Middle-Period Sociocultural History: Seminar

[Chinese History 240r (formerly Chinese History 240). Readings in Chinese Intellectual History]

Korean History 230r. Social History of the Chosôn Dynasty

[*Korean History 253r. Topics in Modern Korean History: Proseminar]

***Korean History 255r. Modern Korean History: Seminar**

Historiography and Methodology

For Undergraduates and Graduates



[History 1942. The Historiography of Reformation Europe, 1450-1650: Conference Course]

Catalog Number: 5887

Steven Ozment

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

History 1983 (formerly History 1683). Reasoning From History: Conference Course

Catalog Number: 7888

Ernest R. May

Half course (fall term). W., 4–6. EXAM GROUP: 9

Uses of history in policy analysis and decision-making. Primarily discussion of case studies.

Note: Offered jointly with the Kennedy School of Government as API 701.

Primarily for Graduates

[History 2902. Studies in Tudor and Stuart History]

Catalog Number: 1428

Mark A. Kishlansky

Half course (spring 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: Expected to be given in 2002–03. Open to undergraduates by permission of the instructor.

***History 2904. Readings in Japanese History: Proseminar**

Catalog Number: 4041

Andrew Gordon

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A graduate colloquium for students preparing for general examinations in modern Japanese history or interest in English-language historiography of modern Japan.

[History 2908. Sources, Methodology, and Themes in African History]

Catalog Number: 5861

Emmanuel K. Akyeampong

Half course (spring term). Hours to be arranged.

Seminar to equip graduate students with the necessary tools for archival research and fieldwork, as well as to introduce them to recent approaches in the historiography.

Note: Expected to be given in 2003–04.

Graduate Courses of Reading and Research

***History 3910. Writing History: Approaches and Practices**

Catalog Number: 1358



Cemal Kafadar 2459 and Susan Pedersen 1972

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Required of and limited to first-year doctoral students in History and joint degree programs in HEAL and HMES.

Global and Comparative History

For Undergraduates and Graduates

History 1945 (formerly History 1745). Conquest in the Americas

Catalog Number: 0909

Jane E. Mangan

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

A study of European conquest endeavors in the Americas from the homeland of the Iroquois to the Inca. Focus on social, political and economic implications of major conquest expeditions, first settlement, and initial attempts at colonization by the British, Dutch, French and Spanish in the 16th and 17th century Americas. Students will look closely at both Amerindian and European experiences of the era. Topics include sovereignty, cartography, trade, gender roles, cultural identity, indigenous resistance.

History 1951. 19th-Century Capitalism: Great Britain, the United States, Germany, and Japan: Conference Course

Catalog Number: 9007 Enrollment: Limited to 15.

Sven Beckert

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course will explore in depth the development of capitalism in four of the main economic powers of our times: Great Britain, the U.S., Germany, and Japan. Focusing on the reasons for and effects of capitalist growth, students will gain an understanding of how economies changed and how this shaped the ways people produced and lived. The course will emphasize both different national trajectories as well as global interconnections. Topics range from the Industrial Revolution to the impact of capitalism on work; from the changing structure of businesses to the diverse ways in which governments channeled economic development.

History 1952. Comparative Colonialism: Conference Course

Catalog Number: 6795

Catherine A. Corman

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

An introduction to major themes and thinkers in the history of European colonialism, including an examination of the ways different peoples approached problems common to colonial encounters.

History 1954. The World in the 20th Century

Catalog Number: 1925

Charles S. Maier

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

The transformation of the Earth, its societies, and human values over the past 100 years.



Examines interactions among, and parallel developments within, major global societies. The course deals thematically and chronologically with three broad themes. “Peoples and Environments” examines the human species in its natural and man-made environments; its migration; and its diseases, old and new. “States and Societies” surveys the transition from the old land-based empires to national states and their conflicts; the social and political impact of the two world wars and world economic depression; nationalist, social-democratic, and authoritarian political projects; overseas empires and decolonization; the search for economic development; consequences of the Cold War, its end, and of “globalization.” “Culture and Values ” examines the endurance, rise, or fall of systems of belief, religious and secular, across the century.

History 1955. Comparative Labor History: Conference Course

Catalog Number: 1204

Andrew Gordon

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

The history of labor around the globe in the 19th and 20th centuries. Formation of working classes in diverse settings. Impact of ideas and practice of gender roles on work and the reverse. Impact of nationalism and national cultures on workers and labor-management relations.

[History 1960. Punishment and the Modern World: Conference Course]

Catalog Number: 2856

Rebecca Mary McLennan and Daniel V. Botsman

Half course (spring term). Hours to be arranged.

Examines the way in which ideas about punishment, as well as actual penal practices, have played a critical role in the rise of modern states and societies. Will attempt to develop a global perspective by reading historical studies about a broad range of societies. Beginning with the ideas and reforms of Enlightenment Europe, will consider the rise of the prison, the transformation of corporal punishment, and transportation and the practice of punitive exile.

Note: Expected to be given in 2003–04.

History 1963. Cold War Crises: Conference Course

Catalog Number: 6643 Enrollment: Limited to 12.

Ernest R. May

Half course (spring term). M., 2–4, additional sessions to be arranged. EXAM GROUP: 7, 8

This course focuses 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 1968. The World of the 1930s: Conference Course]

Catalog Number: 0449

Akira Iriye

Half course (fall term). Hours to be arranged.

Discussion of domestic crises and international tensions during the 1930s in a comparative perspective. Political and cultural turmoil in Europe, Asia, and the United States examined in the context of the collapse of the world order.

Note: Expected to be given in 2003–04.



History 1982. New Global History: An Introduction: Conference Course

Catalog Number: 0485

Akira Iriye and Bruce Mazlish (MIT)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Will deal with transnational factors of globalization, such as the step into space, satellite communications, the multinational corporations, migrations, environmental issues, international relations, and human rights, and with topics such as global culture, consumerism, and cities.

Primarily for Graduates

History 2906. International History: Seminar

Catalog Number: 0453

Akira Iriye

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Research seminar in the history of modern international relations.

History 2907. Readings in Comparative Gender History: Proseminar

Catalog Number: 2630

Evelyn Brooks Higginbotham and Laurel Thatcher Ulrich

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

A required course for graduate students reading a field in comparative gender history and open to others as space permits. Readings will cover American gender history from the colonial to modern periods, and selected topics in the gender history of Europe, Latin America and East Asia.

Cross-listed Courses

***American Civilization 370 (formerly American Civilization 270). Colloquium in American Civilization**

***Economics 2339. The Economic History Workshop**

Historical Study A-74. Contemporary China: The People's Republic and Taiwan in the Modern World

[History 1656. The 19th-Century Bourgeoisie: Western Europe and the U.S.: Seminar]

Graduate Courses of Reading and Research

***History 3000. Direction of Doctoral Dissertations**

Catalog Number: 4630

Emmanuel K. Akyeampong 3421 (on leave 2001-02), Bernard Bailyn 1841, Sven Beckert 2415, Thomas N. Bisson 1451, David Blackbourn 3203, Ann M. Blair 2467, Peter K. Bol 8014 (on leave 2002-2003), Harold Bolitho 1176, Sugata Bose 3960 (on leave spring term), Daniel V. Botsman 1249 (on leave 2001-02), Joyce Elizabeth Chaplin 1058, John H. Coatsworth 3248, Lizabeth Cohen 3627 (on leave 2001-02), Catherine A. Corman 1096, Nancy F. Cott 4261 (spring term only), Albert M. Craig 1847, Drew Gilpin Faust 3857, Ruth Feldstein 1755 (on leave 2001-02), Donald Fleming 1831, Caroline M. Elkins 3961, William E. Gienapp 2109, Andrew Gordon 1891 (on leave 2002-03), Peter Eli Gordon 3907 (on leave 2002-03), James



Hankins 1239, Evelyn Brooks Higginbotham 3517 (on leave fall term), Patrice Higonnet 2730, Stanley Hoffmann 1757, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Christopher P. Jones 3204, Cemal Kafadar 2459, Edward L. Keenan 1825, William C. Kirby 3128, Mark A. Kishlansky 2895 (on leave 2001-02), James T. Kloppenberg 3157, Philip A. Kuhn 8051, Angeliki E. Laiou 7282 (on leave 2001-02), David S. Landes 2732, Eric Lohr 2343 (on leave 2002-03), Charles S. Maier 7227, Jane E. Mangan 2413, Terry D. Martin 2966, Ernest R. May 1817, Michael McCormick 2849 (on leave 2001-02), Thomas K. McCraw (Business School) 7371, Lisa M. McGirr 2543, Rebecca Mary McLennan 2418 (on leave 2002-03), Roy Mottahedeh 1454, John E. Murdoch 1877, Afsaneh Najmabadi 4052 (on leave 2001-02), Susan E. O'Donovan 3962, E. Roger Owen 1028, Steven Ozment 6197 (on leave spring term), Susan Pedersen 1972, Richard Pipes 1827, Eric W. Robinson 2724 (on leave 2001-02), Judith Surkis 4184, Roman Szporluk 3033 (on leave fall term), Hue-Tam Ho Tai 6079, Stephan Thernstrom 4141, T. Robert Travers 4129, Wei-Ming Tu 7233, Laurel Thatcher Ulrich 1886, John Womack, Jr. 1863, and Richard W. Wrangham 2349 (spring term only)

***History 3010. Reading and Research**

Catalog Number: 3424

Emmanuel K. Akyeampong 3421 (on leave 2001-02), Peter C. Alegi 3721, Sven Beckert 2415, Thomas N. Bisson 1451, David Blackburn 3203, Ann M. Blair 2467, Peter K. Bol 8014 (on leave 2002-2003), Harold Bolitho 1176, Sugata Bose 3960 (on leave spring term), Daniel V. Botsman 1249 (on leave 2001-02), Joyce Elizabeth Chaplin 1058, John H. Coatsworth 3248, Lizabeth Cohen 3627 (on leave 2001-02), Kathleen M. Coleman 2289 (on leave spring term), Catherine A. Corman 1096, Nancy F. Cott 4261 (spring term only), Albert M. Craig 1847, Charles Donahue, Jr. (Law School) 2650, William L. Fash 1512, Drew Gilpin Faust 3857, Ruth Feldstein 1755 (on leave 2001-02), Donald Fleming 1831, Caroline M. Elkins 3961, William E. Gienapp 2109, Andrew Gordon 1891 (on leave 2002-03), Peter Eli Gordon 3907 (on leave 2002-03), David D. Hall (Divinity School) 2510, James Hankins 1239, Evelyn Brooks Higginbotham 3517 (on leave fall term), Patrice Higonnet 2730, Stanley Hoffmann 1757, Antony Gerald Hopkins (University of Cambridge) 3963, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Christopher P. Jones 3204, Cemal Kafadar 2459, Edward L. Keenan 1825, William C. Kirby 3128, Mark A. Kishlansky 2895 (on leave 2001-02), James T. Kloppenberg 3157, Philip A. Kuhn 8051, Angeliki E. Laiou 7282 (on leave 2001-02), David S. Landes 2732, Eric Lohr 2343 (on leave 2002-03), Nino Luraghi 2408 (on leave 2002-2003), Charles S. Maier 7227, Jane E. Mangan 2413, Terry D. Martin 2966, Ernest R. May 1817, Michael McCormick 2849 (on leave 2001-02), Thomas K. McCraw (Business School) 7371, Lisa M. McGirr 2543, Rebecca Mary McLennan 2418 (on leave 2002-03), Roy Mottahedeh 1454, John E. Murdoch 1877, Afsaneh Najmabadi 4052 (on leave 2001-02), Susan E. O'Donovan 3962, E. Roger Owen 1028, Steven Ozment 6197 (on leave spring term), Katharine Park 2974, Susan Pedersen 1972, Eric W. Robinson 2724 (on leave 2001-02), Bernard Septimus 7160 (on leave fall term), Judith Surkis 4184, Roman Szporluk 3033 (on leave fall term), Hue-Tam Ho Tai 6079, Stephan Thernstrom 4141, T. Robert Travers 4129, Wei-Ming Tu 7233, Laurel Thatcher Ulrich 1886, Jeffrey G. Williamson 7680, and John Womack, Jr. 1863

Half course (fall term; repeated spring term). Fall: W., 4–5:30; W., at 10. EXAM GROUP: Fall: 9

Instructors listed above under History 3010 supervise individual work in preparation for the General Examination for the PhD degree.



Note: Open ordinarily only 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 A.M. degree except by permission of the Department.

History and Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Members of the Steering Committee on Degrees in History and Literature

Stephen J. Greenblatt, John Cogan University Professor (*Chair*)
Steven H. Biel, Lecturer on History and Literature (*Director of Studies*)
Ann M. Blair, Professor of History ()
Lawrence Buell, Harvard College Professor and the John P. Marquand Professor of English (*on leave spring term*)
Lizabeth Cohen, Howard Mumford Jones Professor of American Studies (*on leave 2001-02*)
Daniel G. Donoghue, Professor of English and American Literature and Language
James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
Ruth Feldstein, Associate Professor of History and of History and Literature (*on leave 2001-02*)
Lynn Mary Festa, Assistant Professor of English and American Literature and Language
Virginie Greene, Assistant Professor of Romance Languages and Literatures and of History and Literature ()
Yunte Huang, Assistant Professor of English and American Literature and Language (*on leave spring term*)
Robert Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of English (*on leave spring term*)
James T. Kloppenberg, Professor of History
Barbara K. Lewalski, William R. Kenan, Jr., Professor of History and Literature and of English Literature
Christie McDonald, Smith Professor of French Language and Literature
Leah Price, Assistant Professor of English and American Literature and Language (*on leave 2002-03*)
Doris Sommer, Professor of Romance Languages and Literatures (*on leave 2001-02*)
John Stauffer, Associate Professor of English and American Literature and Language and of History and Literature
Judith Surkis, Assistant Professor of History and of History and Literature
Alfred Thomas, John L. Loeb Associate Professor of the Humanities, John L. Loeb Associate Professor of the Humanities



Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History

Affiliated Members of the Committee on Degrees in History and Literature

David D. Hall, Professor of American Religious History on the Bartlett and the Emerson Fund for Unitarian Universalist Studies (*Divinity School*)

Helen Vendler, Arthur Kingsley Porter University Professor (*on leave spring term*)

Other Faculty Offering Instruction in the History and Literature Program

Christine Edwards Allred, Assistant Senior Tutor in Pforzheimer House, Preceptor in Expository Writing

Kriss Richard Basil, Instructor in History and Literature

David Lee Brandenberger, Lecturer on History and Literature

Rory A. W. Browne, Lecturer on History and Literature

Alide Cagidemetro, ()

Barbara M. Corbett, Lecturer on History and Literature

Julie E. Desjardins, Lecturer on History and Literature

Katerina Dianina, Instructor in History and Literature, Tutor in Currier House

Neal L. Dolan, Lecturer on History and Literature, Lecturer on History Literature

Charitini Douvaldzi, Instructor in History and Literature

Erika Dreifus, Lecturer on History and Literature

Dan Eshet, Lecturer on History and Literature

Carlos Ramiro Espinosa, Lecturer on History and Literature

Victor J. Figueroa, Lecturer on History and Literature

Karen Pomeroy Flood, Lecturer on History and Literature

Jonathan Andrew Fortescue, Lecturer on History and Literature

Karen Isabelle Halil

Benjamin Carter Hett, Instructor in History and Literature, Lecturer on History and Literature

Ann S. Holder, Lecturer on History and Literature

Jeffrey Guy Johnson, Lecturer on History and Literature, Lecturer on History & Literature

Philip Joseph, Lecturer on History and Literature

Stephen Haviland Kargere, Lecturer on History and Literature

Matthew Lazen, Lecturer on History and Literature, Teaching Assistant in Visual and Environmental Studies

David A. Long, Lecturer on History and Literature, Lecturer on History and Literature

Peter G. Lurie, Lecturer on History and Literature

Matthew William Maguire, Lecturer on History and Literature

Hans Mateo-Silva, Lecturer on History and Literature

Mark Christopher Molesky, Lecturer on History and Literature

Martha Jane Nadell, Lecturer on History and Literature, Head Teaching Assistant in Afro-American Studies

Rebecca R. Noel, Lecturer on History and Literature

John Timothy O'Keefe, Lecturer on History and Literature

Annette Gertraude Pein, Lecturer on History and Literature



Marshall T. Poe, Lecturer on History and Literature, Allston Burr Senior Tutor in Lowell House
Lillian Paula Porten, Preceptor in Expository Writing
Lloyd P. Pratt, Lecturer on History and Literature
Jeanne Follansbee Quinn, Lecturer on History and Literature
Augusta Rohrbach, Preceptor in Expository Writing
Julia B. Rosenbaum,
Andrew P. Scheil, Lecturer on History and Literature
Naomi Z. Sofer, Lecturer on History and Literature
Sharon Braslaw Sundue, Lecturer on History and Literature
Toni Turano, Lecturer on History and Literature
Swen A. Voekel, Lecturer on History and Literature
Andrea L. Volpe, Lecturer on History and Literature
Esther Katheryn Whitfield, Lecturer on History and Literature, Lecturer on History and Literature/Core
James Wilkinson, Lecturer on History and Literature
Abby Wolf, Lecturer on History and Literature
Andrea Patricia Zemgulys, Lecturer on History and Literature

Primarily for Undergraduates

***History and Literature 91r. Supervised Reading and Research**

Catalog Number: 0334

Steven H. Biel and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

The study of selected topics in history and literature.

Note: Permission of the Director of Studies required. In addition to individually supervised reading and research, History and Literature offers small group courses on selected topics. These may be open to qualified freshmen or nonconcentrators with the permission of the instructor. These courses are posted in the History and Literature office.

***History and Literature 97. Tutorial — Sophomore Year**

Catalog Number: 4177

Steven H. Biel and members of the Committee

Full course. Fall: W., 3–5; Spring: W., 3–5; M., 1–3; Th., 2–4. EXAM GROUP: 8, 9

Note: Ordinarily taken by honors sophomores as a full course. Nonconcentrators wishing to take a half or full year of the Middle Ages, Europe from c. 1300 to c. 1750, Britain, Russia, Germany, Latin America, or France sophomore tutorials may do so with the permission of the Director of Studies. To take one semester only, a divide with credit petition must be filed. This is an opportunity for freshmen and others who would like the benefit of the course without committing to the concentration.

***History and Literature 98r. Tutorial — Junior Year**

Catalog Number: 2766

Steven H. Biel and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken as two half courses by honors juniors. Required of all concentrators.



***History and Literature 99. Tutorial — Senior Year**

Catalog Number: 5362

Steven H. Biel and members of the Committee

Full course. Hours to be arranged.

Note: Ordinarily taken by honors seniors as a full course. Required of all concentrators.

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

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of Afro-American Studies (*Chair*)

Sven Beckert, Dunwalke Associate Professor of American History

Lawrence Buell, Harvard College Professor and the John P. Marquand Professor of English (*on leave spring term*)

Joyce Elizabeth Chaplin, Professor of History

Lizabeth Cohen, Howard Mumford Jones Professor of American Studies (*on leave 2001-02*)

Catherine A. Corman, Assistant Professor of History

Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities

David D. Hall, Professor of American Religious History on the Bartlett and the Emerson Fund for Unitarian Universalist Studies (*Divinity School*)

Evelyn Brooks Higginbotham, Professor of History and of Afro-American Studies (*on leave fall term*)

Jennifer L. Hochschild, Professor of Government

Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*)

Yunte Huang, Assistant Professor of English and American Literature and Language (*on leave spring term*)

James T. Kloppenberg, Professor of History

Ernest R. May, Charles Warren Professor of American History

Charles E. Rosenberg, Ernest E. Monrad Professor of Social Sciences (*on leave 2002-03*)

Gwendolyn DuBois Shaw, Assistant Professor of History of Art and Architecture and Afro-American Studies

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English

Doris Sommer, Professor of Romance Languages and Literatures (*on leave 2001-02*)



John Stauffer, Associate Professor of English and American Literature and Language and of History and Literature
Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History
Cornel West, Alphonse Fletcher, Jr., University Professor

Other Faculty Offering Instruction in the History of American Civilization

Allan M. Brandt, Professor of the History of Science (*FAS*) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*)
Philip J. Fisher, Felice Crowl Reid Professor of English and American Literature
Akira Iriye, Charles Warren Professor of American History
Thomas K. McCraw, Isidor Straus Professor of Business History (*Business School*)
Helen Vendler, Arthur Kingsley Porter University Professor (*on leave spring term*)

This program is interdisciplinary. Students are also referred to course offerings at the 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 370 (formerly American Civilization 270). Colloquium in American Civilization**

Catalog Number: 3662

Members of the Committee

Half course (fall term). M., 3–5.

Note: The Colloquium is required of and limited to all first-year graduate students in American Civilization.

Graduate Courses of Reading and Research

***American Civilization 398. Reading and Research**

Catalog Number: 1710

Richard Charles Adams 1665, K. Anthony Appiah 3067, Sven Beckert 2415, Sacvan Bercovitch 7638 (on leave fall term), Allan M. Brandt 3031, Lawrence Buell 2655 (on leave spring term), Joyce Elizabeth Chaplin 1058, Lizabeth Cohen 3627 (on leave 2001-02), Catherine A. Corman 1096, Bradley S. Epps 2880, Philip J. Fisher 1470, William W. Fisher (Law School) 4257, Donald Fleming 1831, Henry Louis Gates, Jr. 2899, William E. Gienapp 2109, David D. Hall (Divinity School) 2510, Evelyn Brooks Higginbotham 3517 (on leave fall term), Morton J. Horwitz (Law School) 6272, Yunte Huang 3160 (on leave spring term), William R. Hutchison (Divinity School) 4061, Akira Iriye 1968, Barbara E. Johnson 7626 (on leave 2001-02), James T. Kloppenberg 3157, Thomas K. McCraw (Business School) 7371, Marc Shell 3176, Werner Sollors 7424, John Stauffer 1006, Stephan Thernstrom 4141, Laurel Thatcher Ulrich 1886, Helen Vendler 7226 (on leave spring term), and Cornel West 1212


***American Civilization 399. Direction of Doctoral Dissertations**

Catalog Number: 8803

Sacvan Bercovitch 7638 (on leave fall term), Allan M. Brandt 3031, Lawrence Buell 2655 (on leave spring term), Elizabeth Cohen 3627 (on leave 2001-02), Philip J. Fisher 1470, William W. Fisher (Law School) 4257, Donald Fleming 1831, Henry Louis Gates, Jr. 2899, William E. Gienapp 2109, David D. Hall (Divinity School) 2510, Evelyn Brooks Higginbotham 3517 (on leave fall term), Morton J. Horwitz (Law School) 6272, William R. Hutchison (Divinity School) 4061, Akira Iriye 1968, Sheila S. Jasanoff (Kennedy School, Public Health) 2248, James T. Kloppenberg 3157, Thomas K. McCraw (Business School) 7371, Marc Shell 3176, Werner Sollors 7424, John R. Stilgoe 8032 (on leave 2001-02), Stephan Thernstrom 4141, Laurel Thatcher Ulrich 1886, Cornel West 1212, and Ruth R. Wisse 3177 (on leave spring term)

Cross-listed Courses

[Comparative Literature 182. Comparative Cultures of Money]

[*Comparative Literature 269. Paralysis: Seminar](#)
[English 175h. American History/American Fiction](#)
[English 187d. American Literatures in Languages Other than English](#)
[*English 291b. Language Disorders and the Literary Tradition: Graduate Seminar](#)
[*English 292. Issues in the Study of American Literature: Graduate Seminar](#)

[History 1618. Material Life in Early America]

[History 1632. Gilded Age America: Economy, Society and Politics: Conference Course](#)

[History 1640 (formerly History 1660). The United States since World War II]

[History 1644. Reconstruction, 1865-1877](#)
[History 1649. The American West: 1780-1930](#)

[History 1653. Baseball and American Society, 1840–Present]

[History 1656. The 19th-Century Bourgeoisie: Western Europe and the U.S.: Seminar]

[History 1660. Using Primary Sources in African-American History: Conference Course]

[History 1951. 19th-Century Capitalism: Great Britain, the United States, Germany, and Japan: Conference Course](#)
[History 1952. Comparative Colonialism: Conference Course](#)
[History 2600 \(formerly History 2605\). Readings in Colonial and Revolutionary America: Proseminar](#)

[History 2601. The U.S. in the 20th Century: Seminar]

[History 2602. Readings in the United States in the 19th Century: Proseminar]

[History 2606. Early American Social History: Seminar]

[History 2607 \(formerly History 2603\). Readings in the United States in the 20th Century: Proseminar](#)
[History 2612 \(formerly History 2602\). 19th-Century United States: Research Seminar](#)

[History 2630. Intellectual History]

[History 2662. Readings in American Thought](#)

[Religion 1465. Liberalism and Orthodoxy, 1600–1870]

[Religion 1504. Religion in America: From the Coming of the Europeans to the 1870s](#)
[Religion 1514. Interpretations in American Religious History: An Introduction to the Historical Literature: Colloquium](#)

[Religion 1515. Religion and Culture in 19th-Century America and Europe: Seminar]



[Religion 1525. Radical Movements in Modern America]

[Religion 1526. Religion in America from c. 1865 to the 1970s](#)

[Religion 2464. Radical Religion in England and America, 1550–1750: Seminar]

[Spanish 165. Bilingual Arts]

[Spanish 186. Tobacco and Sugar]

[Spanish 268. A Rhetoric of Particularism]

History of Art and Architecture

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of History of Art and Architecture

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art (*Chair*) (*on leave spring term*)

Qianshen Bai, Visiting Assistant Professor of History of Art and Architecture (*Boston University*)

Suzanne P. Blier, Professor of the History of Art and Architecture

Yve-Alain Bois, Joseph Pulitzer, Jr. Professor of Modern Art (*on leave 2001-02*)

Pramod Chandra, George P. Bickford Professor of Indian and South Asian Art

James Cuno, Professor of History of Art and Architecture and Elizabeth and John Moors Cabot Director of the Harvard University Art Museums

Jeffrey F. Hamburger, Professor of History of Art and Architecture

Eva R. Hoffman, Visiting Associate Professor of History of Art and Architecture (*Tufts University*)

Alice G. Jarrard, Associate Professor of History of Art and Architecture (*on leave spring term*)

Robin E. Kelsey, Assistant Professor of History of Art and Architecture

Ewa Lajer-Burchard, Professor of History of Art and Architecture

Neil Levine, Emmet Blakeney Gleason Professor of History of Art and Architecture (*on leave fall term*)

David Gordon Mitten, James Loeb Professor of Classical Art and Archaeology

Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art (*Director of Undergraduate Studies*)

Gloria Ferrari Pinney, Professor of Classical Archaeology and Art (*on leave fall term*)

David J. Roxburgh, Associate Professor of History of Art and Architecture (*on leave 2001-02*)

Gwendolyn DuBois Shaw, Assistant Professor of History of Art and Architecture and Afro-American Studies

John Shearman, Adams University Professor

Rabun Taylor, Assistant Professor of History of Art and Architecture (*on leave fall term*)

Eugene Wang, Assistant Professor of History of Art and Architecture (*on leave 2001-02*)



Cherie A. Wendelken, Lecturer on History of Art and Architecture
Irene J. Winter, William Dorr Boardman Professor of Fine Arts
Henri Zerner, Professor of History of Art and Architecture (*Director of Graduate Studies*)

Museum Associates Offering Instruction in the Department

Marjorie B. Cohn, Senior Lecturer on History of Art and Architecture and Carl A. Weyerhauser Curator of Prints in the Harvard University Art Museums
Harry A. Cooper, Lecturer on History of Art and Architecture (*Associate Curator of Modern Art, Harvard University Art Museums*)
Eugene F. Farrell, Lecturer on History of Art and Architecture (*Senior Conservation Scientist in the Harvard University Art Museums*)
Ivan Gaskell, Senior Lecturer on History of Art and Architecture (*Margaret S. Winthrop Curator of Paintings, Harvard University Art Museums*)
Deborah Martin Kao, Senior Lecturer on History of Art and Architecture (*Richard L. Menschel Curator of Photography, Harvard University Art Museums*)
Henry William Lie, Lecturer on History of Art and Architecture (*Senior Conservator of Objects and Sculpture, Straus Center for Conservation, Harvard University Art Museums*)
Robert D. Mowry, Senior Lecturer on History of Art and Architecture (*Curator of Chinese Art and Head of Asian Art, Harvard University Art Museums*)
Peter Nisbet, Senior Lecturer on History of Art and Architecture (*Daimler-Benz Curator of the Busch-Reisinger Museum*)
William W. Robinson, Senior Lecturer on History of Art and Architecture (*Ian Woodner Curator of Drawings in The Fogg Art Museum*)
Stephan S. Wolohojian, Lecturer on History of Art and Architecture (*Associate Curator of Paintings, Sculpture, and Decorative Arts, Harvard University Art Museum*)

Courses in the History of Art and Architecture undergraduate curriculum are structured as a three-tier system, consisting of a sequence of entry-level courses, field-specific introductory courses, and upper-level courses. For the concentrator, these are supplemented by tutorials. Passage through the sequence from entry level to more advanced classes is encouraged—particularly for prospective concentrators.

Three entry-level courses are offered, HAA 10, HAA 11, and Literature and Arts B-10, 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 10. The Western Tradition: Art Since the Renaissance](#)

Catalog Number: 4988



Henri Zerner

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Concentrating on painting but with reference to other media, the course will examine art between the beginning of Modern Times around 1400 until the present. It will be team taught and organized around specific topics each occupying one week. It will be organized chronologically but will not attempt to cover the material but to highlight important issues, debates, innovations, specific works or artists.

History of Art and Architecture 11. Landmarks of World Architecture

Catalog Number: 3675

Cherie A. Wendelken and members of the Faculty

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Examines great monuments in world architecture and the unique aesthetic, cultural, and historical issues that frame them. Faculty members will each lecture on a building or complex in their area of expertise. These will include St. Peter's, Guggenheim Museum, Chartres Cathedral, Taj Mahal, Paris Opera, Pompidou Center, Hagia Sophia, temples at Khajuraho, Hôtel de Soubise, and palaces at Katsura, Versailles, and Nineveh. Sections will focus on key questions in the analysis and interpretation of architecture.

[History of Art and Architecture 12x. Introduction to Islamic Architecture (650-1650)]

Catalog Number: 4040

Gülru Necipoglu-Kafadar

Half course (fall term). Hours to be arranged.

An introduction to the major monuments of medieval and early modern architecture in the Islamic world stretching from Spain in the west to the borders of China in the east. Architectural monuments will be examined in their cultural, political, socio-economic, and aesthetic contexts. A highly selective survey, emphasizing the methodological concerns of the field through a focused study of building programs in such monuments as the Dome of the Rock in Jerusalem; the Great Mosques of Damascus, Samarra, Cordoba, Marrakesh, Isfahan, Samarqand, Cairo, Istanbul, Delhi and Agra; and other building types including madrasas, shrines, mausoleums, caravansarays, palaces, and gardens.

Note: Expected to be given in 2002–03.

[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). Hours to be arranged.

Introduces key examples of the arts of the book, calligraphy, and portable arts (e.g. ceramics, metalwork, textiles, ivory) made 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 cultural, political, socio-economic, and aesthetic contexts. Themes include production and patronage; systems of object content and use; intermedial correspondences; and cross-cultural relationships of content and form. The selected materials are studied through a range of methodologies.

Note: Expected to be given in 2003–04.



[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 (spring term). Hours to be arranged.

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 2002–03.

History of Art and Architecture 13k. Introduction to Roman Art and Architecture

Catalog Number: 1426

Rabun Taylor

Half course (spring term). M., W., at 10. EXAM GROUP: 3

At its height, the Roman Empire extended from Scotland to Syria, and from the North Sea to the Sahara. This course examines the art and architecture produced in lands under Roman rule during a one thousand year period, from Rome's beginnings as an Etruscan-influenced city in the 7th century BCE to the Christianizing of Rome in the 4th century CE.

[History of Art and Architecture 14. Introduction to Early Medieval Art]

Catalog Number: 2049

Jeffrey F. Hamburger

Half course (spring term). Hours to be arranged.

Western art and architecture, from the Age of the Invasions through the 13th century, with greater emphasis on significant themes, contexts, and approaches than on chronological coverage.

Note: Expected to be given in 2002–03.

History of Art and Architecture 15d. Introduction to Italian Renaissance Painting and Sculpture ca. 1260–1600

Catalog Number: 1682

John Shearman

Half course (spring term). M., W., at 11. EXAM GROUP: 4

An introduction to the major personalities and events in four Italian styles: Gothic, Renaissance, High Renaissance, and Mannerist. The approach assumes that we are concerned essentially with history—with one branch of a large family of historical studies. The works of art are thus studied in the context of whatever human, social, political, technological, or economic circumstances are most appropriate. The course is a highly selective survey. The lectures vary widely in method and focus, a secondary intention being to illustrate the concerns of art history as a discipline.

History of Art and Architecture 17z. Introduction to the History of Photography

Catalog Number: 3515

Robin E. Kelsey

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

An introduction to the history of photography from its origins to the present, with an emphasis on the role of the medium in the development of modern modes of experience and pictorial



intelligence. The course considers photography in relation to, among other things, science, entertainment, social order, tourism, publicity, and history.

[History of Art and Architecture 18d. Introduction to the Art and Architecture of India]

Catalog Number: 6967

Pramod Chandra

Half course (spring term). Hours to be arranged.

Gives a general idea of ancient Indian architecture, sculpture, and painting through carefully selected monuments and themes. Visual analysis and the importance of artistic evidence in the understanding of the sketchy historical record of the country are emphasized.

Note: Expected to be given in 2002–03.

[History of Art and Architecture 18g. Introduction to the Art and Architecture of Japan]

Catalog Number: 2470

Cherie A. Wendelken

Half course (fall term). Hours to be arranged.

A survey of Japanese art and architecture from prehistoric times to the 20th century. The major achievements of each period are examined in the context of cultural history, with emphasis on the relationship between the arts and place-making.

Note: Expected to be given in 2002–03.

History of Art and Architecture 19x. Introduction to African American Art History

Catalog Number: 2396

Gwendolyn DuBois Shaw

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

This course examines over two hundred years of artistic production by peoples of African descent living in the United States. While focusing primarily on the fine arts, a variety of media and methodologies will be examined: from 19th-century landscape painting to contemporary avant garde installations; from the material culture of slavery to the vernacular art of the current era.

History of Art and Architecture 40. Court and Cloister in the Later Middle Ages

Catalog Number: 0734

Jeffrey F. Hamburger

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

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.

History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s

Catalog Number: 4593

Ewa Lajer-Burchard

Half course (spring term). M., W., at 12. EXAM GROUP: 5

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? Central to the course will be examination of the place of the body and of sexuality in different stylistic regimes—in rococo, Neo-classicism, Impressionism, Abstraction, and beyond; as well as changing conceptions of “identity” in relation to national, imperial, and post-colonial contexts. The course will examine the whole range of modern media, from painting, sculpture, prints, and photography to video, installation, and performance art.

***History of Art and Architecture 91r. Directed Study in History of Art and Architecture**

Catalog Number: 1028

Gülru Necipoglu-Kafadar and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open only 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

Gülru Necipoglu-Kafadar and members of the Faculty

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

Gülru Necipoglu-Kafadar and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

Prerequisite: History of Art and Architecture 97r.

***History of Art and Architecture 98br. Advanced Tutorial**

Catalog Number: 3507

Gülru Necipoglu-Kafadar and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

Prerequisite: History of Art and Architecture 97r.

***History of Art and Architecture 99. Tutorial — Senior Year**

Catalog Number: 3118

Gülru Necipoglu-Kafadar and members of the Department.

Full course. Hours to be arranged.

Note: Intended primarily for honors candidates in History of Art and Architecture. Permission of the Head Tutor required.

For Undergraduates and Graduates

[History of Art and Architecture 101. The Materials of Art]

Catalog Number: 5741

Eugene F. Farrell and staff



Half course (fall term). Hours to be arranged.

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 2002–03.

Prerequisite: History of Art and Architecture concentration or two previous art history courses.

History of Art and Architecture 124z. Architecture and Dynastic Legitimacy: The Early Modern Islamic Empires (1450-1650)

Catalog Number: 4604

Gülru Necipoglu-Kafadar

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

In the 16th century, three great regional empires partitioned among themselves the central zone of Islam from the Balkans to Bengal. The Mediterranean-based Ottomans, the Safavids in Iran, and the Mughals in India formed separate cultural domains with distinct architectural idioms. The formation of these autonomous architectural modes is traced from their common origins in the 15th-century Timurid heritage. The building types each empire emphasized are studied as an index of differing imperial ideologies and theories of dynastic legitimacy. Variations in the architectural practices of the Mediterranean, Iran, and India are stressed, together with differing modes of architectural decoration.

History of Art and Architecture 126x. Early Islamic Painting and the Portable Arts: Proseminar

Catalog Number: 2064 Enrollment: Limited to 12.

Eva R. Hoffman (Tufts University)

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

An exploration of the visual arts in Muslim lands from Spain to Central Asia between the seventh and the thirteenth centuries, with special attention to issues and strategies involved in the study of small scale portable arts in such media as ceramics, metal work, ivory, textiles and the arts of the book. Topics include patronage, cultural interchange, inter-media exchange between small and large scale monuments, the circulation of works between public and private, secular and religious spheres.

History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar

Catalog Number: 0302 Enrollment: Limited to 10.

Irene J. Winter

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

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.

[History of Art and Architecture 140r. Byzantine Art]

Catalog Number: 3687 Enrollment: Limited to 12.



Ioli Kalavrezou

Half course (spring term). Hours to be arranged.

The course will focus on what is considered the “classical” in Byzantine art. The question of a Macedonian renaissance and its consequences will be given special emphasis.

Note: Expected to be given in 2002–03.

History of Art and Architecture 143m. The Art of the Court of Constantinople

Catalog Number: 4412

Ioli Kalavrezou

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

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.

History of Art and Architecture 146. The Illuminated Manuscript

Catalog Number: 0161 Enrollment: Limited to 12.

Jeffrey F. Hamburger

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Selected topics and issues in the history of the illuminated manuscript in the Latin West, including sessions in the Houghton Library.

History of Art and Architecture 165x. Sets and Settings of Baroque Theater

Catalog Number: 2054 Enrollment: Limited to 12.

Alice G. Jarrard

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Explores the sets and the architectural settings for spectacle in seventeenth and eighteenth-century Europe. Taking reconstructions of the Vitruvian theater as the starting point for an examination of dynastic, public, and ecclesiastical theater in Italy, England, France, and Spain, the course emphasizes the spatial and visual dimensions of settings for dramatic and operatic performance. What is the nature of “theatrical” architecture? Issues of spectatorship, perspective, and technology will be emphasized.

[History of Art and Architecture 170. Artists and Architects: Collaborations, Overlaps, Confrontations: Seminar]

Catalog Number: 6145 Enrollment: Limited to 12.

Neil Levine

Half course (fall term). Hours to be arranged.

Examines the multifaceted relationships between architecture and art from the 1960s on. Works and writings by Donald Judd, Frank Gehry, Yves Klein, Robert Venturi, Claes Oldenburg, Daniel Liebeskind, Ed Ruscha, Gordon Matta-Clark, and Frank Stella will be among those studied.

Note: Expected to be given in 2002–03.

[History of Art and Architecture 171t. Degas: Beyond Impressionism]

Catalog Number: 7454 Enrollment: Limited to 50.

James Cuno

Half course (fall term). Hours to be arranged.



Examination of the character and meaning of Degas' idiosyncratic body of work in light of recent revisionist histories of Impressionism. Special emphasis will be placed on works in the collection of the Fogg Art Museum.

Note: Expected to be given in 2002–03.

History of Art and Architecture 171z. American Landscapes, 1860-1900

Catalog Number: 2109 Enrollment: Limited to 12.

Robin E. Kelsey

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This course considers four decades of New World landscapes in various media, with an emphasis on photography and painting. Topics include industrialization, nationalism, geological and biological processes, the frontier, recreation, and disenchantment. Special emphasis on the work of photographers Timothy O'Sullivan, Carleton Watkins, George Barnard, and Eadweard Muybridge, and the painters Albert Bierstadt, Winslow Homer, Ralph Blakelock, Martin Johnson Heade, and George Inness.

History of Art and Architecture 172. Impressionism

Catalog Number: 0808

James Cuno

Half course (fall term). M., W., at 10. EXAM GROUP: 3

This course will examine the development of the “New Painting” in Paris from Manet's *Dejeuner sur l'herbe* of 1863 to the late paintings of Monet and Degas in the first decades of the 20th century. In addition to their formal and technical achievements, we will explore the social circumstances in which they worked and the extent of their influence on painting elsewhere in Europe and in North America. Of particular interest will be the rapid development of a bourgeois urban and commercial culture in Paris during the second half of the 19th century.

[History of Art and Architecture 173y. Difference from Within: Contemporary Women Artists]

Catalog Number: 7251 Enrollment: Limited to 12.

Ewa Lajer-Burcharth

Half course (spring term). Hours to be arranged.

Examines the works of important European and American women artists from the 1950s to the present, including Lee Krasner, Eva Hesse, Hannah Wilkie, Judy Chicago, Rebecca Horn, Mary Kelly, Adrian Piper, Cindy Sherman, and Janine Antoni, among others. Explores the ways of thinking about their art as a representation of difference understood as historically contingent cultural values rather than a natural or innate quality. Seeks less to pit male vs. female artist than to open up a discussion of the woman artist herself as a locus of difference(s) and of the diversity and difference among women's aesthetic productions.

Note: Expected to be given in 2002–03.

History of Art and Architecture 174x. Architecture and Urbanism in the Nineteenth Century: Seminar

Catalog Number: 1182 Enrollment: Limited to 12.

Neil Levine

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9



Will focus on major issues in historiography, theory, criticism, and practice in the period between the French Revolution and the rise of Modernism. Works studied will be chosen from Europe, the United States, and the European colonial empire.

History of Art and Architecture 175z. The Architecture of Frank Lloyd Wright

Catalog Number: 3270 Enrollment: Limited to 20.

Neil Levine

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Examines the buildings, writings, and ideas of the 20th century's most celebrated architect through selected projects and themes.

Prerequisite: HAA 11 or equivalent.

History of Art and Architecture 177z. Max Beckmann: Proseminar

Catalog Number: 7808 Enrollment: Limited to 12.

Peter Nisbet

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

The career of Max Beckmann (1884-1950), probably the greatest German painter of the 20th century, spanned academic beginnings, expressionist torment during and after the First World War, sober realism in the 1920s, and grand mythological compositions of his final decades. To assess this singular achievement and its place in the history of modernism, we shall pay close attention to the artist's writings (in translation) and make particular use of Harvard's outstanding collection of his works.

[History of Art and Architecture 181y. Early Indian Sculpture]

Catalog Number: 3518 Enrollment: Limited to 12.

Pramod Chandra

Half course (spring term). Hours to be arranged.

Examines Indian sculpture, mostly Buddhist in subject, during the three centuries before the Christian era. The approach is primarily visual and an attempt is made to understand the patterns of development and the light shed on contemporary religion.

Note: Expected to be given in 2002–03.

[History of Art and Architecture 184x. Painting of India]

Catalog Number: 7460 Enrollment: Limited to 12.

Pramod Chandra

Half course (spring term). Hours to be arranged.

The course examines some important styles, notably ancient wall painting as preserved at Ajanta, western Indian Manuscript painting, the Mughal School patronized by the emperor Akbar and its origins, and 17th-century painting from selected states of Rajasthan. Patronage, and the relationship of painting to literature, music, religion, and political, social, and cultural conditions will also be studied.

Note: Expected to be given in 2002–03.

History of Art and Architecture 189x. Constructions of Tradition in Modern Japan: Architecture and Art 1868-1968

Catalog Number: 1264 Enrollment: Limited to 12.



Cherie A. Wendelken

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Both rejection and re-examination of the past were part of the remaking of Japan as a modern nation. This seminar examines the interpretation of premodern history, myth, literature, and art by modern architects and artists working in the late nineteenth and early twentieth centuries. Constructions of tradition were part of movements to create national style, revive folk culture, defend the relevance of modernism, and preserve historic cities.

History of Art and Architecture 196. Contemporary Art in Africa

Catalog Number: 8120 Enrollment: Limited to 12.

Suzanne P. Blier

Half course (fall 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.

Primarily for Graduates

History of Art and Architecture 206. Science and the Practice of Art History

Catalog Number: 6180 Enrollment: Limited to 12.

John Shearman and Henry William Lie

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

To equip the historian with critical and informed approaches to the range, uses, ambiguities, instruments, and computer applications of scientific, diagnostic investigation of art and architecture, potentially in all media and periods. In short: better to know what we are looking at. In collaboration with specialists in the Straus Center.

History of Art and Architecture 225. Critical Issues in Islamic Art and Architecture

Catalog Number: 2819 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

A critical examination of major issues and methodological problems that have shaped the field since its construction in the 19th century. Themes include the Orientalist discourse on Islamic art and the Islamic city, uses of the classical heritage, aniconism, the arabesque, calligraphy, collecting and exhibiting Islamic art.

History of Art and Architecture 235x. Art of the Royal Tombs of Ur

Catalog Number: 4082 Enrollment: Limited to 12.

Irene J. Winter

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Early Dynastic grave goods from Mesopotamia (2600 BCE) will be studied as art, as artifacts of technical mastery, gender and other social roles, and funerary ritual. Course to coincide with exhibition at the Fogg Art Museum, May, 2002.



History of Art and Architecture 240r. Byzantine Art

Catalog Number: 4109 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This course will run in conjunction with the preparation for the exhibition “Presenting Byzantine Women.” The students will organize and prepare the presentation of the objects and the final write up of the catalogue.

History of Art and Architecture 248. Vision, Visions and Visuality in Medieval Art

Catalog Number: 6908 Enrollment: Limited to 12.

Jeffrey F. Hamburger

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

The place of sight in the perception, reception, and study of medieval art, with attention to medieval and modern theories of vision and visibility.

History of Art and Architecture 251r. Italian Art of the Renaissance: Seminar

Catalog Number: 6632 Enrollment: Limited to 12.

John Shearman

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

Focuses on a limited aspect of Renaissance Art in Italy, but always examines a substantial body of material. Topic is different each year, to be determined in consultation with prospective students.

History of Art and Architecture 270r. Topics in 19th-Century Art

Catalog Number: 7958 Enrollment: Limited to 12.

Henri Zerner

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

The seminar in 2002 will be centered on the work of Thèodore Géricault and his place in the art of the Empire and the Restoration.

History of Art and Architecture 271x. Rethinking the Origins of Modernity: The “New” 18th Century

Catalog Number: 1598 Enrollment: Limited to 12.

Ewa Lajer-Burcharth

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Discusses the origins of modernity in art, architecture, and visual culture, with emphasis on new methodologies. Among the issues addressed: the public vs. the private sphere; interiors, intimacy, and interiority; high and low culture; the notion of the self; artistic identity; sexuality, sexual difference, and gender; the emergent discourse of race.

[History of Art and Architecture 278y. Modern Art and Subjectivity, 18th Century to the Present]

Catalog Number: 2544 Enrollment: Limited to 12.

Ewa Lajer-Burcharth

Half course (spring term). Hours to be arranged.

Explores the relation between art and the self in its different, modern configurations. How does



art contribute to the formation of subjectivity? What is the place of the visual image within broader cultural discourse of the self in the modern period? How are artists represented in their own works?

Note: Expected to be given in 2002–03.

History of Art and Architecture 278z. Photography and Anxiety

Catalog Number: 7816 Enrollment: Limited to 12.

Robin E. Kelsey

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Anxiety pervades many of the most thoughtful answers we have to the question: what is photography? This course examines this anxiety in hopes of obtaining a deeper understanding of the medium and its historical discomforts.

History of Art and Architecture 287x. Methods and Resources for the Study of Chinese Painting and Calligraphy

Catalog Number: 6171 Enrollment: Limited to 12.

Qianshen Bai (Boston University)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Designed to familiarize students with traditional Chinese bibliography, major references, attain skills in reading inscriptions and colophons in cursive script, deciphering seals, and searching for classical poems and essays. Fieldtrips to view private collections.

Cross-listed Courses

[Afro-American Studies 165y. African Women in Art and History]

[Afro-American Studies 166. Proseminar: Contemporary African-American Visual Culture]

Afro-American Studies 167. Images of Blacks, Blacks Making Images

Afro-American Studies 168. Visual Culture of Latina and African-American Women

Afro-American Studies 169. Visualizing Africa

[Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200–300 BCE]

Classical Archaeology 136. Archaeology of the Aegean Bronze Age

Classical Archaeology 143. Two Panhellenic Greek Sanctuaries: Olympia and Delphi

Classical Archaeology 180. Coinage, Politics, and Economy in the Greek World

Classical Archaeology 241. Narrative in Ancient Greek Art

Classical Archaeology 255 (formerly Classical Archaeology 244). Art and Archaeology of the Etruscans

History 1463. Paris From the French Revolution Through the 19th Century: Conference Course

[Literature and Arts B-10. Art and Visual Culture: Introduction to the Historical Study of Art and Architecture]

[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 B-31. The Portrait]

Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture,



and Ceremonial at the Ottoman Court

Literature and Arts B-44. The Architecture of Capital and Court in Western Europe, 1600–1800

[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 C-69. Pompeii

[Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar]

[Medieval Studies 105. Production of Manuscripts and Printed Books Before 1600]

[Religion 2348ab. Archaeology and the World of the New Testament: Seminar]

***Visual and Environmental Studies 143r. The Photographer as Auteur: Studio Course**

***Visual and Environmental Studies 154ar (formerly Visual and Environmental Studies 159ar). The Moving Image: Film and Visual Representation**

***Visual and Environmental Studies 155ar. Film Architectures: Seminar Course**

***Visual and Environmental Studies 155br. A Cultural Study of Film: Mapping and Fashioning Space: Seminar Course**

[*Visual and Environmental Studies 160. Modernization in the Visual United States Environment, 1890–2035]

[*Visual and Environmental Studies 166. North American Seacoasts and Landscapes, Discovery to Present: Seminar]

Graduate Courses of Reading and Research

***History of Art and Architecture 300. Reading and Research**

Catalog Number: 5716

Suzanne P. Blier 3472, Yve-Alain Bois 2922 (on leave 2001-02), Pramod Chandra 7186, Marjorie B. Cohn 4468, Harry A. Cooper 1728, James Cuno 2925, Eugene F. Farrell 1009, Ivan Gaskell 3174, Jeffrey F. Hamburger 3800, Alice G. Jarrard 2400 (on leave spring term), Ioli Kalavrezou 2242 (on leave spring term), Deborah Martin Kao 3345, Robin E. Kelsey 4132, Ewa Lajer-Burcharth 3373, Neil Levine 4178 (on leave fall term), Henry William Lie 2575, David Gordon Mitten 1290, Robert D. Mowry 1958, Gülru Necipoglu-Kafadar 1688, Peter Nisbet 1738, Gloria Ferrari Pinney 1384 (on leave fall term), William W. Robinson 2239, David J. Roxburgh 2138 (on leave 2001-02), Gwendolyn DuBois Shaw 3799, John Shearman 1689, Rabun Taylor 4253 (on leave fall term), Eugene Wang 3600 (on leave 2001-02), Cherie A. Wendelken 3471, Irene J. Winter 1955, Stephan S. Wolohojian 2756, and Henri Zerner 3792
Individual work in preparation for the General Examination for the Ph.D. degree or, by arrangement, on special topics not included in the announced course offerings.

***History of Art and Architecture 301. Museum Apprenticeship**

Catalog Number: 1912

Marjorie B. Cohn 4468, James Cuno 2925 (spring term only), Ioli Kalavrezou 2242 (on leave spring term), and Henri Zerner 3792
Members of the Fogg Museum Staff — Curatorial research.

***History of Art and Architecture 309. Thesis Colloquium and/or Thesis Defense**

Catalog Number: 6568



Gülru Necipoglu-Kafadar 1688 and Henri Zerner 3792

Note: May not be counted toward course requirements for the Ph.D. degree, but is required before the degree may be granted.

***History of Art and Architecture 310 (formerly *History of Art and Architecture 318).**

Methods and Theory of Art History

Catalog Number: 7879 Enrollment: Limited to 12.

Henri Zerner 3792

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

***History of Art and Architecture 399. Direction of Doctoral Dissertations**

Catalog Number: 6575

Suzanne P. Blier 3472, Yve-Alain Bois 2922 (on leave 2001-02), Pramod Chandra 7186, James Cuno 2925, Jeffrey F. Hamburger 3800, Alice G. Jarrard 2400 (on leave spring term), Ioli Kalavrezou 2242 (on leave spring term), Robin E. Kelsey 4132, Joseph Koerner 1954, Ewa Lajer-Burcharth 3373, Neil Levine 4178 (on leave fall term), David Gordon Mitten 1290, Gülru Necipoglu-Kafadar 1688, David J. Roxburgh 2138 (on leave 2001-02), Gwendolyn DuBois Shaw 3799, John Shearman 1689, Rabun Taylor 4253 (on leave fall term), Eugene Wang 3600 (on leave 2001-02), Cherie A. Wendelken 3471, Irene J. Winter 1955, and Henri Zerner 3792

Note: May not be counted toward course requirements for the Ph.D. degree.

History of Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of the History of Science

Allan M. Brandt, Professor of the History of Science (*FAS*) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*) (*Chair*)

Bridie Andrews, Associate Professor of the History of Science (*Head Tutor*) (*on leave 2001-02*)

David S. Barnes, John L. Loeb Associate Professor of the Social Sciences (*Assistant Head Tutor*) (*on leave spring term*)

Mario Biagioli, Professor of the History of Science (*Director of Graduate Studies*) (*on leave 2001-02*)

Robert M. Brain, Associate Professor of the History of Science (*Assistant Head Tutor*) (*on leave 2002-03*)

Peter Buck, Senior Lecturer on the History of Science

Olivier Darrigol, Visiting Professor of the History of Science (*spring term only*)

Katherine Anderson (*York University*) (*fall term only*)

Barrington Edwards, Tutor in Quincy House, Lecturer on the History of Science, Fellow in the



W E B DuBois Institute

Peter L. Galison, Harvard College Professor and the Mallinckrodt Professor of the History of Science and of Physics (*on leave 2001-02*)

Anne Harrington, Professor of the History of Science (*on leave spring term*)

Steven Fontijn Harris, Visiting Assistant Professor of the History of Science (*spring term only*)

Sarah Jansen, Assistant Professor of the History of Science

Stephanie H. Kenen, Lecturer on the History of Science (*Acting Head Tutor*)

Eric D. Kupferberg, Lecturer on the History of Science

Everett I. Mendelsohn, Professor of the History of Science (*Director of Undergraduate Studies*)

Jill Morawski, Visiting Professor of the History of Science (*Wesleyan University*)

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking

John E. Murdoch, Professor of the History of Science

Naomi Oreskes, Visiting Associate Professor of the History of Science, Visiting Associate Professor of History of Science (*University of California, San Diego*) (*fall term only*)

Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science and of Women's Studies

Carl William Pearson, Lecturer on the History of Science

Charles E. Rosenberg, Ernest E. Monrad Professor of Social Sciences (*Acting Director of Graduate Studies*) (*on leave 2002-03*)

Charis Thompson, Assistant Professor of the History of Science (*on leave 2002-03*)

Maria J. Trumpler, Lecturer on the History of Science

Other Faculty Offering Instruction in the Department of the History of Science

I. Bernard Cohen, Victor S. Thomas Professor of the History of Science, Emeritus

Donald Fleming, Jonathan Trumbull Research Professor of American History

Owen Gingerich, Research Professor of Astronomy and of the History of Science

Stephen J. Gould, Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology and Professor of Geology

Erwin N. Hiebert, Professor of the History of Science, Emeritus

Gerald Holton, Mallinckrodt Professor of Physics and Professor of the History of Science, Emeritus

Barbara Gutmann Rosenkrantz, Professor of the History of Science, Emerita

A. I. Sabra, Research Professor of the History of Arabic Science

The Department of the History of Science oversees the undergraduate concentration in History and Science and provides the degree of A.M. and Ph.D. to properly qualified graduate students. The Department also offers instruction in the history of science to students in other fields.

Distribution Fields (DF) for History of Science graduate students are designated after the course description.

Primarily for Undergraduates

[*History of Science 91r. Supervised Reading and Research](#)

Catalog Number: 1238



Stephanie Kenen 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 97a. Tutorial — Sophomore Year**

Catalog Number: 4719

Stephanie H. Kenen, Carl William Pearson and members of the Department

Half course (fall term). Hours to be arranged.

Sophomore tutorial introduces students to basic problems and methods in the history of science. Students are expected to develop skills in analyzing original sources and in oral and written presentation. Organized into small sections with occasional lectures to the entire class. The first term examines the period from ancient Greece to the Scientific Revolution. Specific topics vary from year to year. Several short papers assigned.

Note: Required for undergraduate concentration in History and Science.

***History of Science 97b. Tutorial — Sophomore Year**

Catalog Number: 5235

Stephanie H. Kenen, Eric D. Kupferberg and members of the Department

Half course (spring term). Hours to be arranged.

The second term of sophomore tutorial examines the period from the Scientific Revolution to the mid- 20th century. Specific topics vary from year to year. Course culminates in a closely supervised research paper.

Note: Required for undergraduate concentration in History and Science.

***History of Science 98r. Tutorial — Junior Year**

Catalog Number: 1120

David Barnes, Barrington Edwards, and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

One half year of the junior tutorial is a seminar organized around a special topic. The other half year is a research-oriented tutorial taken in small groups. A substantial amount of writing is required in both terms.

Note: Ordinarily taken by juniors in both terms.

***History of Science 99. Tutorial — Senior Year**

Catalog Number: 6619

Stephanie H. Kenen and members of the Department

Full course. Hours to be arranged.

Note: Ordinarily taken by seniors as a full course. Either half year may be taken as a half course, 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.

For Undergraduates and Graduates

[History of Science 103. Chinese Medical History: Conference Course]

Catalog Number: 1056 Enrollment: Limited to 20.



Bridie Andrews

Half course (fall term). Hours to be arranged.

This course will challenge the concept of a static and traditional “Chinese medicine” by reading translations of texts from different periods and different medical genres (e.g. classical theory, women’s medicine, case study literature, material medica), in the light of recent historical scholarship. The course will also review the history of Chinese medicine in the 20th century, and in particular, its adoption in the West. (DF: M2)

Note: Expected to be given in 2002–03.

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

Examination of selected key aspects and issues in the development of ancient science together with an investigation of the treatment of these issues from various historiographic points of view. Emphasis upon the kinds of problems historians of ancient, especially Greek, thought have deemed most relevant for treatment and the types of approaches made to these problems. (DF:E1)

[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. (DF:E2)

Note: Expected to be given in 2002–03.

History of Science 112. Medicine and Society in Medieval and Renaissance Europe

Catalog Number: 8576

Katharine Park

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

A survey of medical theory, organization and practice in the context of other forms of contemporary healing, notably religious and magical. Topics include changing conceptions of health and illness, the evolution of medical explanation, the gendering of healing and the body, the professionalization of medicine, the rise of hospitals and related institutions, and responses to “new” diseases such as syphilis and plague. (DF: E2)

Note: Expected to be omitted in 2002–03.

[History of Science 113. Imaging Techniques in Early Modern Science: Conference Course]

Catalog Number: 2253 Enrollment: Limited to 15.

Mario Biagioli

Half course (spring term). Hours to be arranged.

In recent years, historians and sociologists have examined the role of visual representations and imaging techniques in modern science. Course looks at the emergence of these practices during the Scientific Revolution. By looking at the development of instruments such as the telescope



and the microscope and at the printed representation of visual evidence in astronomy, anatomy, and natural history, we analyze the scientific and cultural dimensions of the debates about the epistemological status of visual evidence and of its mechanical reproductions. (DF:E3)

Note: Expected to be given in 2002–03.

***History of Science 121. History and Philosophy of Experimentation**

Catalog Number: 5851 Enrollment: Limited to 25.

Maria J. Trumpler

Half course (spring term). W., 4–6. EXAM GROUP: 9

Combines historical, sociological and philosophical approaches to examining the role of experimentation in the production of scientific knowledge, with an emphasis on examples from the life sciences. Topics will include: historical development of structures of experimentation, the relationship between experiment and theory, representations of experimental results, social aspects of group experimentation, and the pedagogical use of experiments. (DF:M3)

History of Science 123v. Histories and Philosophies of the Energy Principle

Catalog Number: 4273

Olivier Darrigol

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

History and philosophy of the energy principle as approached by its founders, by late 19th-century philosopher-historian-physicists and by historians of science. Topics include long-term roots of the principle, scientific contexts (metaphysics, molecular physics, machines, physiology, theology....), multiple discovery, controversy, social construction and the epistemological status of the energy principle. (DF:M3)

Note: Part of class time will be devoted to discussion of selected readings.

[History of Science 130. Modern Biology]

Catalog Number: 0179

Everett I. Mendelsohn

Half course (fall term). Hours to be arranged.

Covering the period 1750 to the present; movement from natural history to experimental biology; relations between the field and the laboratory; role of observations, representations, experimental practices, instruments and theories; relationship between biology and the physical-chemical sciences, between organisms, machines and molecules; scientific practices and social implications of the new biology. (DF:M2)

Note: Expected to be given in 2002–03.

History of Science 138. Conservation, Ecology, and Environment: Conference Course

Catalog Number: 2390

Everett I. Mendelsohn

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An examination of the science and politics of conservation, ecology, and environment, and their cultural location, using some comparative materials from Europe, Russia and Africa. Particular attention to public organizations, government policy, and scientific knowledge and practice. (DF:M2)



***History of Science 140. Disease and Society**

Catalog Number: 4471

Charles E. Rosenberg

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A consideration of changing conceptions of disease during the past two centuries. We will discuss general intellectual trends as well as relevant cultural and institutional variables by focusing in good measure on case studies of particular ills, ranging from cholera to sickle cell anemia to anorexia and alcoholism. (DF:M2)

[History of Science 141. On Drugs: The History of the International Trade in Drugs and *Materia Medica*: Conference Course]

Catalog Number: 0252

Bridie Andrews and Peter Buck

Half course (fall term). Hours to be arranged.

This course will explore the effects of the drugs trade on international relations from pepper in the Middle Ages to cocaine in the recent past. Emphasis is on the specifics of particular historical cases, with examples to be covered varying according to the interests of participants in the course. Possible topics include: the history of uses of cloves, and its importance in the early European imperialism; discovery of American ginseng and its relevance to US-China relations; the history of the trade in mercury; rhubarb, purgative from the East; Coffee and the European Enlightenment. (DF:M1,M2).

Note: Expected to be given in 2002–03.

History of Science 143. History of Germs

Catalog Number: 4541

Eric D. Kupferberg

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

The scientific and cultural history of pathogenic and productive microbes, from the 17th century through the Bacteriological Revolution to the present day. Emphasis on responses to epidemic and endemic diseases of humans and animals; the role of microbial life in the production of wine, cheese, soil fertility, and industrial fermentations; the growing prestige of biomedical science and biotechnology in the 19th and 20th centuries; and the role of social conflict and cultural norms in shaping fears of contagion. (DF:M1,M2)

[History of Science 144. Medicine, Degeneration, and Eugenics]

Catalog Number: 3148

Stephanie H. Kenen

Half course (spring term). Hours to be arranged.

In the later 19th and early 20th centuries, eugenic thinking paralleled fears of degeneration in the widespread preoccupation with the decline of civilization. This course will look at the role of scientific and especially medical “experts” in promoting both the problem of and the remedy for this perceived decline. Emphasis will be on changing ideas of “otherness” as symbol and cause of degeneration, and on proposed programs for regeneration (sports, war, selective breeding). Primary focus on the United States and Europe. (DF: M1)

Note: Expected to be given in 2002–03.



***History of Science 147. Sex, Gender, and Modern Medicine: Conference Course**

Catalog Number: 4221 Enrollment: Limited to 18.

Stephanie H. Kenen

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course will examine historical issues concerning the relationships among sex, gender, and modern medicine. We will look at sex as a subject of scientific study, as well as gender as an analytic category. We will ask questions of how modern western medical traditions have viewed male and female bodies and defined their health and illnesses accordingly, and how western medicine has defined and policed the erotic relationships between the sexes. Emphasis on 19th- and 20th- century US. (DF:M1,M2)

***History of Science 151. Cultural History of Medicine**

Catalog Number: 3189 Enrollment: Limited to 18.

Stephanie H. Kenen

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This course will examine recent approaches to the history of medicine and the body. Topics will include: the use of visual representations in medicine (illustrations, x-rays, MRIs); the literary genre of the case study (“doctors’ stories”); the so-called “social construction” of illness (especially psychiatric illnesses and diseases of women); the intersection between medical expertise and sexual culture (sexology and social control); medicine and human experimentation (from Tuskegee to clinical trials); commodification of the body (organ transplants, cosmetic surgery). (DF:M2)

[History of Science 152. Filming Science]

Catalog Number: 1658

Peter L. Galison and Robb Moss

Half course (fall term). Hours to be arranged.

Examination of the theory and practice of capturing scientific practice on film. Topics will include fictional, documentary, informational, and instructional films and raise problems emerging from film theory, visual anthropology and science studies. Each student will make and edit short film(s) about laboratory, field or theoretical scientific work (DF:M1,M2)

Note: Expected to be given in 2002–03. Seminar opened to graduate and undergraduate students with permission of instructors.

History of Science 153. Science and Race

Catalog Number: 3681

Charis Thompson

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

This class will explore sciences *of* race, or the way that science has been used to designate, as well as deny the reality of, racial categories. It will also consider science *and* race, looking at Tuskegee, Nazi science, genetic studies of radiation exposure in Japan, AIDS in Africa, indigenous people and genetics, and DECODE in Iceland. The final section will look at the patterns of and reasons for the racial distribution of scientists over time. (DF:M1)

[History of Science 154 (formerly History of Science 154v). Gender and Science]

Catalog Number: 4957



Charis Thompson

Half course (fall term). Hours to be arranged.

This course covers: (1) Women in Science (recovering in the historical record and promoting women and minorities in science). (2) Feminist Epistemology and Science (the gendering of science itself, and the special roles of experience, identity, connectivity, and embodiment in feminist epistemology). (3) The Body, Sexuality, Queer Theory and Science (the sciences of gendered, especially female, bodies and psychologies, masculinity studies; the sciences of sexuality). (4) Gender and Science in Transnational Perspective (science as providing a transnational language for, and hierarchy of, gendered, bodies). (5) Feminist Science and Technology Studies (science and technologies “for”, or of special interest to, women). (DF:M1)

Note: Expected to be given in 2002–03.

History of Science 155v. Scientists and the Nuclear Age: Lecture

Catalog Number: 3592

Naomi Oreskes (University of California, San Diego)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Traces the historical development of the scientific knowledge and scientists who forged the nuclear age. Topics include the discovery of nuclear fission, the Manhattan Project, the bombings of Hiroshima and Nagasaki, the H-bomb and nuclear proliferation in the Cold war, and the environmental legacy of radioactive waste. No prerequisites. (DF:M3)

History of Science 157v. Sociological Topics in the History of Science

Catalog Number: 2434

Steven Shapin (University of California, San Diego)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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 159. Probability in Science and Society

Catalog Number: 0807

Sarah Jansen

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

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 as well as changing notions of truth and objectivity associated with the rise of probability thinking and practices. Examples from astronomy, anthropometry, eugenics, demography, taxonomy, criminology, ecology, genetics, epidemiology, modern physics, environmental and medical risk assessment, actuarial theory, and the detection of scientific frauds. (DF:M1, M2)

***History of Science 161v (formerly *History of Science 161). The Scientific Revolution: Lecture Course**

Catalog Number: 4946



Steven Fontijn Harris

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Examines 16th- and 17th-century transformations in astronomy (in the works of Copernicus, Kepler, Galileo, Newton), medicine (Vesalius, Harvey), cosmography (Mercator, Ortelius, Varenius), and natural philosophy (Bacon, Descartes, Newton, Kant), as well as in scientific practices (observation, experiment, mathematization) and modes of organization and communication (academies, journals, graphical representations). Placing these developments in their cultural contexts (religious, political, commercial) affords a critical perspective on received historiographical assumptions regarding the Scientific Revolution as the dramatic episode in the origin of modern science. (DF:E3)

History of Science 162v. Images of Nature: Graphical Representations and Scientific Practices in the Renaissance: Undergraduate Seminar

Catalog Number: 6261

Steven Fontijn Harris

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The Renaissance produced not only naturalistic images of the highest artistic quality but also of unprecedented scientific content. Seminar situates novel scientific representations of nature in specific forms of practice: illustrations ‘drawn from nature’ (botanical illustrations, anatomical dissections, telescopic and microscopic images); cumulative representations resulting from cycles of systematic observation over time and space (portolans, terrestrial maps, celestial atlases); and images designed to enhance the credibility of reports of distant natural phenomena (virtual witnessing) (DF:E3)

Note: Graduate students are welcome to enroll.

History of Science 170v. The New Science of the Person: Experimental Psychology in the 20th Century: Lecture

Catalog Number: 9967

Jill Morawski (Wesleyan University)

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

This course surveys the development of experimental psychology in America including the formation of the specialties of developmental, personality, clinical and social psychology. The survey is guided by three themes: the innovations and refinements in experimental techniques, the underlying assumptions about human nature, and the political and cultural context of the experimental work. (Df:M2)

History of Science 175. Madness and Medicine: Themes in the History of Psychiatry

Catalog Number: 6245

Anne Harrington

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

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. (DF:M2)



History of Science 176. Evolution and the Mind: Conference Course

Catalog Number: 6736 Enrollment: Limited to 15. Preference given to juniors and seniors.

Anne Harrington

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Explores tensions and themes in the historical attempt to reconcile the problem of mind and consciousness with evolutionary models of life since Darwin. Examples include the human mind as the Achilles heel of the naturalistic (post-Darwinian) world view, the case for the “emergence” of mind out of matter, the evolutionary argument for mind as epiphenomenon, cosmic Mind as the driving force behind evolution, the problem of the “savage mind,” madness as evolutionary regression. Particular attention to the social and ethical implications of all these debates. (DF:M2)

[History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine]

Catalog Number: 4338

Anne Harrington

Half course (fall term). Hours to be arranged.

An historical probe into the logics and stakes of modern (19th-20th century) thinking and practices concerned with “mind–body” interactions. Topics include: hypnosis; hysteria; the rise of psychosomatic medicine; medical investigations of non-Western phenomena such as “chi” and meditative practices; concerns with human connection and disconnection as sources of healing and illness; the recent rise of psychoneuroimmunology. Analytic emphasis is on integrating questions about the nature of embodied experience over time with questions about the logic of our institutionalized efforts to “domesticate” that experience within the changing explanatory frames of Western medical science. (DF:M2)

Note: Expected to be given in 2002–03.

History of Science 178v. Minding of America: The Popularization of Psychology

Catalog Number: 3561

Jill Morawski (Wesleyan University)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This course examines how the science of psychology captured the imagination of Americans and eventually became indispensable to cultural understandings of human actions as well as to social policy. Considered are the formations and dissemination of psychological notions of behavior control, intelligence, the unconscious, gender differences, psycho-pathological types, and biologically-based behaviors. Analytic attention is given to models of the popularization of science and the cultural consequences of popularizing psychology. (DF:M2)

[History of Science 180. Science, Medicine and Imperialism]

Catalog Number: 3578

Bridie Andrews

Half course (fall term). Hours to be arranged.

It is a truism that science and medicine were crucial to the development of colonialism and, in particular, to the formal imperialism of the 19th century. Scientific and technological innovations facilitated the expansion of the small maritime trading nations of Europe into every continent, and created a world-wide flow of goods, capital and human labor on an unprecedented scale.



This course will examine the history of science in its imperial contexts through a thematic approach: individual topics will include the book and the printing press; exploration and the academy; cartography; tropical medicine; the diseases of empire; economic botany; trains and steamships, information flow and telegraphy; imperial womanhood; and anthropology and race. (DF: M1,M2)

Note: Expected to be given in 2002–03.

History of Science 181. Science, Technology, and Modernity

Catalog Number: 6978

Robert M. Brain

Half course (spring term). M., W., (F.), at 10.

Examination of the role of science and technology in the experience of modernity from 1800 to 1918. Themes include the myths of Faust and Frankenstein and the ideals of personal economic development, steam engines and railways, technological utopias and dystopias, telegraphy and the growth of empire, standardization and commodity culture, electric power systems, urban planning, the mechanization of the body, technology and the arts, and technological warfare. (DF:M1)

[History of Science 182. Gender in East Asia: Lecture]

Catalog Number: 1762

Bridie Andrews

Half course (spring term). Hours to be arranged.

This course looks at gendered technologies of East Asian history in such fields as agriculture, textile production, domestic labor, and family and cultural production and reproduction. The course will examine the tensions between cultural ideals of female chastity and seclusion and the realities of men's and women's lives through the technologies they used and created. (DF:M1)

Note: Expected to be given in 2002–03.

[*History of Science 183. Social and Political Implications of Technology: Conference Course]

Catalog Number: 8588 Enrollment: Limited to 15.

Peter Buck

Half course (spring term). Hours to be arranged.

Historical studies of how technology shapes society and politics. Interactions between social engineering and the management of technological change; specific technologies vs. expectations about technology in general as limiting the possibilities for social and political change. Examples drawn from war, transportation, communication, and production. (DF:M1)

Note: Expected to be given in 2002–03.

***History of Science 184. Technology in America: Conference Course**

Catalog Number: 1617 Enrollment: Limited to 15.

Peter Buck

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Examines American society, politics, and culture as shaping and shaped by the technologies of war, work, transportation, and health. Emphasis on the 19th and 20th centuries. (DF:M1)



History of Science 185. Romanticism and the Sciences

Catalog Number: 3225

Robert M. Brain

Half course (spring term). Hours to be arranged. EXAM GROUP: 7, 8

Examines the emergence of a Romantic tradition in the natural sciences out of the promises and anxieties of revolution at the end of the 18th century. Topics include the place of reflection, self-experiment, introspection, historicism, and aesthetic values in science. Considers the philosophical and empirical legacy of romantic science in national and international contexts. (DF:M1)

History of Science 186. The History of Technology

Catalog Number: 2147 Enrollment: Limited to 18.

Charis Thompson

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

This course surveys theories of technology and sociotechnical systems. Technologies of production, destruction, reproduction, and information in different eras are considered, and compared as to the ways they entrain humans, machines, politics, and the market. (DF:M3)

History of Science 191. Skepticism, Subjectivity, and Doubt

Catalog Number: 3638

Carl William Pearson

Half course (spring term). M., 4–6. EXAM GROUP: 9

Historians of science and others have appealed recently to skepticism and relativism to counter the hegemony of science. However, skepticism (as well as relativism, subjectivity, etc.) has played an important role in western intellectual history, both as a response to science but also as integral to some scientific methodologies. This course examines how different historical contexts give rise to different skeptical modes and attempts to determine which are most useful to contemporary historians of science.

Cross-listed Courses

[Historical Study A-27. Reason and Faith in the West]

Historical Study A-34. Medicine and Society in America

[Science A-41. The Einstein Revolution]

Women's Studies 110a. Bodies and Boundaries: Conference Course

Primarily for Graduates

***History of Science 200. Methods of Research in the History of Science: Seminar**

Catalog Number: 5277

Everett I. Mendelsohn

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

***History of Science 206r. Ancient Science: Seminar**

Catalog Number: 2410

John E. Murdoch



Half course (spring term). Th., 2–4.

Topic for 2001-2002: Aristotle's theory of science as found in his *Posterior Analytics*, its relation to the mathematics of the day, and other aspects of Aristotle's philosophy of mathematics, notably in the final books of the *Metaphysics*. (DF:E1)

***History of Science 207r. Medieval Science: Seminar**

Catalog Number: 8468

John E. Murdoch

Half course (fall term). Th., 2–4.

Topic for 2001-2002: The problem of the possible eternity of the world in late antiquity and the Middle Ages, the confrontation with an Aristotelian natural philosophy which maintained the eternity of the world, and the eventual medieval resolution of this conflict. (DF:E2)

Note: Reading knowledge of Latin is not required.

History of Science 215. Science and Culture in Late Medieval and Renaissance Europe: Seminar

Catalog Number: 4568

Katharine Park

Half course (fall term). M., 4–6. EXAM GROUP: 9

Topic for 2001-02: Sources for the study of medieval and Renaissance medicine, with particular attention to genre and cultural context. Intensive reading in texts relating to healing and medicine in Western Europe between about 1100 and 1500, with an emphasis on the learned tradition. Sources will include mnemonic poems, commentaries, *practicae*, *consilia*, *questiones*, recipe collections, plague tractates, administrative and judicial records, private letters, and treatises for aristocratic patrons. (DF: E2)

Note: Basic reading knowledge of Latin and one European vernacular required.

[History of Science 222. Research in the History and Philosophy of Physical Sciences]

Catalog Number: 4178

Peter L. Galison

Half course (fall term). Hours to be arranged.

Graduate Seminar: Students will work on advancing their research topics with the aim of producing a publishable paper. Open to students working in the broad area of 19th- through early 21st- century physics, technology, chemistry as well as the relation between the science and architecture (DF:M3)

Note: Expected to be given in 2002–03.

History of Science 229v. Historical Perspectives on the Geosciences: Seminar

Catalog Number: 3042

Naomi Oreskes (University of California, San Diego)

Half course (fall term). W., 4–6. EXAM GROUP: 9

History and historiography of the earth sciences, with an emphasis on how models of scientific knowledge are altered by considering knowledge generated “in the field.” Open to graduate students, and to advanced undergraduates with permission. (DF: M3)



History of Science 235. Topics in 19th Century Science: Energy and Evolution: Seminar

Catalog Number: 2520

Robert M. Brain

Half course (fall term). M., 4–6. EXAM GROUP: 9
(DF:M3)

History of Science 240. The Body in Sickness and in Health: Seminar

Catalog Number: 6821

Charles E. Rosenberg

Half course (fall term). Th., 4–6. EXAM GROUP: 18

“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. (DF:M2)

[*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. (DF:M2)

Note: Expected to be given in 2002–03.

History of Science 250. Sociologies of Science

Catalog Number: 6211

Everett I. Mendelsohn

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Twentieth century sociologies of science: traditions of Weber, Mannheim; studies of J. D. Bernal, Robert Merton, Edgar Zilsel, their disciples and critics; influence of European traditions, Elias, Marcuse, Habermas, Bourdieu; emergence of sociology of scientific knowledge, the Edinburgh School and historical sociology of science; themes include institutions, power and politics of knowledge, modes of knowledge production, pure vs. applied sciences, neutrality. (DF:M1)

History of Science 257v. Who is a Scientist? Biography and Authority: Seminar

Catalog Number: 3499

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An exploration of a range of relationships between the personal identity of scientific intellectuals and the authority of their knowledge. (DF:M1)

[History of Science 261. Fraud, Intellectual Property, Authorship and Responsibility in Science]

Catalog Number: 3446

Mario Biagioli

Half course (fall term). Hours to be arranged.



Examines the debates on authorship, responsibility, and credit in science in the wake of recent cases of fraud and misconduct. By bringing together perspectives from law, sociology of science, and literary theory, the seminar analyzes the similarities and differences between intellectual property and authorship in science and in other disciplines. (DF:E3)

Note: Expected to be given in 2002–03.

History of Science 262v. Constructing Quantum Mechanics

Catalog Number: 8733

Olivier Darrigol

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

History of quantum mechanics emphasizing the procedures that permitted its construction: physical and psychological analogy, spectral numerology, regionalization of classical concepts, reinterpretation, symbolic translation&. The upsetting of ordinary intuitions and the interpretation of quantum mechanics. (DF:M3)

Note: Part of class time will be devoted to discussion of selected readings. Requires some knowledge in physics, especially in classical mechanics and electrodynamics.

Prerequisite: Requires some knowledge in physics, especially in classical mechanics and electrodynamics.

[History of Science 263. Science and/as Literature]

Catalog Number: 2704

Mario Biagioli

Half course (fall term). Hours to be arranged.

This course considers relationships between science and literature: the literary structure of scientific arguments; the history of scientific genres (the experimental report, the scientific article, reports of fieldwork, and travel, etc); science fiction and representations of science in popular literature; and the relationship between literary plots and scientific arguments. (DF:M1)

Note: Expected to be given in 2002–03.

History of Science 270v. Making the "Social" Psychological: The History of Social Psychology: Seminar

Catalog Number: 8666

Jill Morawski (Wesleyan University)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Examines the 20th century project to explain social phenomena in psychological terms, beginning with William James. Topics include conceptions of the social self and social problems, experimental techniques, ethical and political matters, and reflexivity. (DF:M1)

History of Science 271v. History of Masculinity: Seminar

Catalog Number: 8379

Jill Morawski (Wesleyan University)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Explores the 20th century emergence of the masculine as a human kind. Topics include scientific models of masculinity and gender “difference,” gender metaphor and analogy, science and masculinity, men’s studies movement, and reproductive science. (DF:M1)



[History of Science 275. “The Minded Body”: Theoretical and Empirical Explorations]

Catalog Number: 8536

Anne Harrington

Half course (fall term). Hours to be arranged.

Attempts, via a case study approach, to explore “embodiment”—human bodily experience—as part of the proper world of historical and cultural intellectual analysis. Can historical work be done “under the skin”? Theoretical readings will be drawn here from “body history”, anthropology, phenomenological psychology and medicine. A significant independent research project will be expected. (DF: M2)

Note: Expected to be given in 2002–03.

[*History of Science 278. In Search of Mind: Seminar]

Catalog Number: 0304

Anne Harrington

Half course (fall term). Hours to be arranged.

A series of “expeditions” through the four “territories” of the mind: language, emotion, meaning-making, and memory. Reading broadly across disciplines and over a century of shifting focuses, we will aim in this seminar to construct new, less linear, ways of imagining the history of the mind sciences in our time. (DF:M2).

Note: Expected to be given in 2002–03.

***History of Science 290r. Selected Topics in History and Philosophy of Biology**

Catalog Number: 8108

Everett I. Mendelsohn

Half course (spring term). W., 2–4.

(DF:M2)

Prerequisite: Ordinarily one half course at the advanced level in history or philosophy of biology.

[*History of Science 295r. Critical History: Writing Between Humans and Non-Humans]

Catalog Number: 8360 Enrollment: Limited to 12.

Peter L. Galison and Mario Biagioli

Half course (spring term). Hours to be arranged.

Theoretical issues in the construction of the history, philosophy and sociology of science.

Graduate Seminar. (DF:M3)

Note: Expected to be given in 2002–03.

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. First Meeting Thurs., 01/30/02 at 4:00.

(DF:E2)

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. First Meeting on Thurs. 01/30/02 at 5:00.

The problems and methods involved in preparing critical editions of texts from manuscript materials: principles of establishing the “accepted text,” manuscript tradition, and appropriate *apparatus criticus* when several manuscripts are employed, as well as the resolution of palaeographic problems. (DF:E2)

Note: First Meeting Time Th., Jan 30 @ 5pm.

Prerequisite: Knowledge of Latin, but no previous experience with palaeography required.

Graduate Courses of Reading and Research

For Science Technology and Public Policy Seminar S482, see the Kennedy School of Government catalog.

***History of Science 300. Direction of Doctoral Dissertations**

Catalog Number: 3388

Mario Biagioli 1756 (on leave 2001-02), Allan M. Brandt 3031, Peter L. Galison 3239 (on leave 2001-02), Owen Gingerich 1159 (fall term only), Anne Harrington 1895 (on leave spring term), Everett I. Mendelsohn 2700, John E. Murdoch 1877, Katharine Park 2974, and Charles E. Rosenberg 3784 (on leave 2002-03)

Note: Under special circumstances arrangements may be made for other instruction in guidance for doctoral theses.

***History of Science 301. Reading and Research**

Catalog Number: 5641

Bridie Andrews 1409 (on leave 2001-02), David S. Barnes 1701 (on leave spring term) (spring term only), Mario Biagioli 1756 (on leave 2001-02), Robert M. Brain 2676 (on leave 2002-03), Allan M. Brandt 3031, Peter Buck 1894, I. Bernard Cohen 1185, Olivier Darrigol 3974 (spring term only) (spring term only), Donald Fleming 1831 (fall term only), Peter L. Galison 3239 (on leave 2001-02), Owen Gingerich 1159, Stephen J. Gould 1707, Anne Harrington 1895 (on leave spring term), Steven Fontijn Harris 4081 (spring term only) (spring term only), Erwin N. Hiebert 1187, Gerald Holton 1883, Stephanie H. Kenen 1535 (fall term only), Everett I. Mendelsohn 2700, Jill Morawski (Wesleyan University) 4086, John E. Murdoch 1877, Naomi Oreskes (University of California, San Diego) 3983 (fall term only) (fall term only), Katharine Park 2974, Charles E. Rosenberg 3784 (on leave 2002-03) (spring term only), Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, and Charis Thompson 3751 (on leave 2002-03)

Individual work in preparation for the General Examination for the PhD degree.

***History of Science 302. Guided Research**

Catalog Number: 5282

Bridie Andrews 1409 (on leave 2001-02), David S. Barnes 1701 (on leave spring term), Mario Biagioli 1756 (on leave 2001-02), Robert M. Brain 2676 (on leave 2002-03), Allan M. Brandt 3031, Peter Buck 1894, I. Bernard Cohen 1185, Olivier Darrigol 3974 (spring term only) (spring term only), Peter L. Galison 3239 (on leave 2001-02), Owen Gingerich 1159, Stephen J. Gould 1707, Anne Harrington 1895 (on leave spring term), Steven Fontijn Harris 4081 (spring term only) (spring term only), Erwin N. Hiebert 1187, Gerald Holton 1883, Stephanie H. Kenen 1535



(fall term only), Everett I. Mendelsohn 2700, Jill Morawski (Wesleyan University) 4086, John E. Murdoch 1877, Naomi Oreskes (University of California, San Diego) 3983 (fall term only) (fall term only), Katharine Park 2974, Charles E. Rosenberg 3784 (on leave 2002-03), Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, and Charis Thompson 3751 (on leave 2002-03) Through regular meetings with faculty advisor, this course will focus on research and writing with the purpose of developing a publishable research paper.

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*)
 William A. Graham, Jr., Albertson Professor of Middle Eastern Studies and Professor of the History of Religion
 Cemal Kafadar, Vehbi Koc Professor of Turkish Studies
 Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations
 C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology
 David J. Roxburgh, Associate Professor of History of Art and Architecture (*on leave 2001-02*)
 P. Oktor Skjaervo, Aga Khan Professor of Iranian
 Sinasi Tekin, Senior Lecturer on Turkish
 Wheeler M. Thackston, Jr., Professor of the Practice of Persian and other Near Eastern Languages
 Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies
 Michael Witzel, Wales Professor of Sanskrit
 Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies

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 Coolidge Hall 102, 1737 Cambridge St., 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

John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs (*Chair*)
Thomas N. Bisson, Henry Charles Lea Professor of Medieval History
Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature
Jorge I. Domínguez, Harvard College Professor and Clarence Dillon Professor of International Affairs
Bradley S. Epps, Professor of Romance Languages and Literatures
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 (*on leave 2001-02*)
Jeffrey Frieden, Stanfield Professor of International Peace
Mary Gaylord, Sosland Family Professor of Romance Languages and Literatures
N. Michele Holbrook, Professor of Biology
Steven R. Levitsky, Assistant Professor of Government and of Social Studies (*on leave fall term*)
Jane E. Mangan, Assistant Professor of History
J. Lorand Matory, Professor of Anthropology and of Afro-American Studies (*on leave spring term*)
David H. P. Maybury-Lewis, Edward C. Henderson Professor of Anthropology (*on leave fall term*)
José Antonio Mazzotti, Assistant Professor of Romance Languages and Literatures (*on leave spring term*)
Doris Sommer, Professor of Romance Languages and Literatures (*on leave 2001-02*)
Kay B. Warren, Professor of Anthropology (*on leave 2002-2003*)
John Womack, Jr., Robert Woods Bliss Professor of Latin American History and Economics

The Committee on Latin American and Iberian Studies, established in 1960, forms part of the David Rockefeller Center for Latin American Studies. Its purpose is 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 twenty-three members representing nine 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 Afro-American Studies, Anthropology, Biology, Environmental Studies, Government, History, History and Literature, Romance



Languages and Literatures, Social Studies, and the Special Concentrations program. The Committee itself does not offer an undergraduate concentration or an advanced degree.

The David Rockefeller Center for Latin American Studies, founded in 1994, coordinates and supports 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 United States throughout the University. It works to strengthen ties between Harvard and the countries of Latin America 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 150 faculty members, librarians, curators, administrators, and visiting fellows and scholars with substantial Latin American or related interests.

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 for graduate and professional students; hosts visiting scholars and fellows; and administers the Robert F. Kennedy Visiting Professorship of Latin American Studies.

The Center publishes a monthly calendar from September to May; the DRCLAS Newsletter each semester; an annual Guide to Courses that lists over 150 courses on Latin America and related topics at Harvard each year; and the Directory of Faculty and Professional Staff mentioned above.

The office of the Committee is in 61 Kirkland Street, Cambridge, MA, 02138.

Linguistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Linguistics

Jay H. Jasanoff, Diebold Professor of Indo-European Linguistics and Philology (*Chair*) (*on leave spring term*)

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology, Associate of Adams House (*Acting Chair, spring term*)

C.-T. James Huang, Professor of Linguistics

Susumu Kuno, Professor of Linguistics (*Head Tutor, spring term*) (*on leave 2002-03*)



Salikoko Mufwene, Visiting Professor of Linguistics and Ethnic Studies (*University of Chicago*)
Lynn Nichols, Assistant Professor of Linguistics
Jonathan Nissenbaum, Lecturer on Linguistics, Associate of the Department of Linguistics
Bert Vaux, Associate Professor of Linguistics (*Head Tutor*) (*on leave spring term*)
Calvert Watkins, Victor S. Thomas Professor of Linguistics and the Classics
Jie Zhang, Lecturer on Linguistics, Teaching Fellow in the Core Curriculum, Teaching Fellow in East Asian Languages and Civilizations

Other Faculty Offering Instruction in the Department of Linguistics

Alfonso Caramazza, Professor of Psychology (*on leave 2001-02*)
Wesley M. Jacobsen, Professor of the Practice of the Japanese Language
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 80. Dialects of English]

Catalog Number: 4695

Bert Vaux

Half course (spring term). Hours to be arranged.

Survey and analysis of the varieties of English currently spoken in the world. Forms of English to be discussed include: American dialects (Boston, New York, Southern, "Valley Girl," etc.); British dialects (BBC, Liverpool, Scottish, etc.); Indian, Australian, Singaporean, and other colonial dialects; Yiddish English; English-based pidgins and creoles; men's vs. women's speech. Most of the dialects will be illustrated in the classroom by native speakers.

Note: Expected to be given in 2002–03.

[Linguistics 81. Language and Gender]

Catalog Number: 4668

Half course (fall term). Hours to be arranged.

This course explores connections between language use, sex, and gender. Do sex and gender affect the ways we speak and the ways we interpret and evaluate speech? How do differences in people's sociocultural positions, particularly their degree of power, affect how they use language, how others interpret what they say or write, and their relation to linguistic change? How does conversation structure the social worlds of men and women? How do linguistic practices support or challenge gender arrangements?

Note: Expected to be given in 2002–03.

Linguistics 86. Ebonics: Myths and Facts

Catalog Number: 0637

Salikoko Mufwene (University of Chicago)



Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to the study of Ebonics, or African-American English (including Gullah). Topics to be covered will include the status of Ebonics in relation to other American English vernaculars; its controversial position in the schools; its use in the media; its use as a marker of ethnic identity (e.g., in hip-hop culture); its origins; its relation to other creole languages and dialects; its influence on mainstream American language and culture; and its role as a basis of racial prejudice.

Linguistics 88. Language and Cognition

Catalog Number: 5126

Jonathan Nissenbaum

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 4, 13

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.

***Linguistics 91r. Supervised Reading and Research**

Catalog Number: 1100

Bert Vaux, Susumu Kuno, and members of the Department

Half course (fall term; repeated spring term). Spring: Tu., Th., 7–8:30 p.m.

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 the course count towards the concentration.

***Linguistics 97r. Group Tutorial — Sophomore Year**

Catalog Number: 1791

Bert Vaux, Susumu Kuno, and members of the Department

Half course (fall term; repeated spring term). M., Tu., W., or Th., 3-5. EXAM GROUP: Spring: 8, 9

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 both the fall and spring terms.

Note: Required of concentrators.

***Linguistics 98a. Group Tutorial — Junior Year**

Catalog Number: 4222

Bert Vaux, Susumu Kuno, and members of the Department

Half course (fall term). M., Tu., W., or Th., 3–5.

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

*Bert Vaux (spring term), Susumu Kuno (spring term), 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

*Bert Vaux, Susumu Kuno, 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

Jie Zhang

Half course (spring term). M., W., F., 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

Lynn Nichols

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

An introduction to syntactic theory, analysis and argumentation in the model of generative grammar. Discusses analyses & hypotheses of grammatical structure forming the foundation of current syntactic theory. Emphasis on constituent structure analysis, motivation for transformations, constraints on rule application and conditions on representations. Survey of syntactic phenomena, including argument structure, movement and anaphora.

Linguistics 112b. Intermediate Syntax

Catalog Number: 4730

C.-T. James Huang

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Continuation of 112a. Fundamental principles and parameters of Government and Binding Theory.

Prerequisite: Linguistics 112a.



Linguistics 114. Introduction to Morphology

Catalog Number: 1289

Lynn Nichols

Half course (spring term). Tu., Th., at 12.

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. Consideration of morphological issues in acquisition and processing. Emphasis on the analysis of morphological phenomena in a wide range of typologically diverse languages.

Linguistics 115. Introduction to Phonetics and Phonology

Catalog Number: 2791

Jie Zhang

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Analysis of phonetic and phonological data from a wide variety of languages. The first part of the course focuses on phonetic phenomena; topics will include articulatory phonetics, acoustic phonetics, aerodynamic mechanisms for speech, production and transcription of the sounds of the world's languages, and phonetic issues in speech synthesis. The second part of the course focuses on formal analysis of phonological patterns; topics will include underlying and surface representations, phonemes and allophones, contrast, neutralization, distinctive features, and rules and their ordering. Problem sets will place emphasis on practical skills.

[Linguistics 116. Semantics]

Catalog Number: 6115

Half course (spring term). Hours to be arranged.

An introductory course on semantic interpretation in natural language. What does it mean to “know the meaning” of an utterance? This course will provide the formal tools to characterize truth-conditional meanings of sentences. Topics to be covered include the relation between form and meaning, ambiguity, reference, the role of context dependency, quantifier scope, and variable-binding.

Note: Expected to be given in 2002–03.

Linguistics 117r. Linguistic Field Methods

Catalog Number: 8401

Lynn Nichols

Half course (spring term). Th., 4–6. EXAM GROUP: 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 118. Introduction to Discourse Analysis

Catalog Number: 8709

Susumu Kuno

Half course (fall term). M., W., at 11. EXAM GROUP: 4



An examination of various principles that govern communication between the speaker/writer and the hearer/reader. Topics include presupposition, point of view, discourse and sentence themes, discourse deletion, and reference and honorification. Data from English and Japanese.

Note: No previous knowledge of Japanese required.

Linguistics 120. Introduction to Historical Linguistics

Catalog Number: 8486

Jay H. Jasanoff

Half course (fall term). M., W., F., 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

Jay H. Jasanoff

Half course (spring term). Hours to be arranged.

An introduction to the historical study of the Indo-European languages, using the comparative method to arrive at a picture of the parent language of the family, Proto-Indo-European.

Note: Expected to be given in 2002–03.

[Linguistics 123. Indo-European Phonology and Morphology]

Catalog Number: 9259

Jay H. Jasanoff

Half course (fall term). Hours to be arranged.

Designed as a sequel to Linguistics 122. A detailed overview of Indo-European comparative grammar, with emphasis on recent developments and discoveries.

Note: Expected to be given in 2002–03.

Linguistics 140. Understanding Creole Vernaculars and Cultures

Catalog Number: 7362

Salikoko Mufwene (University of Chicago)

Half course (spring term). M., W., at 2. EXAM GROUP: 7

A survey of vernaculars that arose among slaves on 17th- and 18th-century plantations of especially the New World and the Indian Ocean as they appropriated colonial European languages as their vernaculars. We will focus especially on those that developed from English and French, though others will also be discussed. Topics include structural peculiarities of creoles; issues regarding their emergence, especially regarding the contribution of substrate languages (notably those brought from Black Africa) to their structures; what findings on their developments tell us about language evolution in general; whether or not they are separate languages.

[Linguistics 152. Introduction to Syntactic Parsing]

Catalog Number: 3166



Half course (spring term). Hours to be arranged.

An introduction to recent investigations of sentence processing. Topics to be considered include the influence of lexical, syntactic, and discourse factors on sentence comprehension and production, the role of working memory in processing, the nature of syntactic deficits in patients with language disorders, and cross-linguistic differences in sentence processing.

Note: Expected to be given in 2002–03.

Prerequisite: Linguistics 112a.

[Linguistics 158r. From Indo-European to Old Irish]

Catalog Number: 3801

Calvert Watkins

Half course (spring term). Hours to be arranged.

Essentials of Celtic historical and comparative grammar.

Note: Expected to be given in 2002–03.

Prerequisite: Some acquaintance with either Indo-European or Old Irish.

[Linguistics 168. Introduction to Germanic Linguistics]

Catalog Number: 7925

Jay H. Jasanoff

Half course (fall term). Hours to be arranged.

A combined introduction to Gothic and the comparative grammar of the older Germanic languages.

Note: Expected to be given in 2002–03.

Linguistics 171. Structure of Chinese

Catalog Number: 4346

C.-T. James Huang

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

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.

Prerequisite: Linguistics 112a in previous or current semester.

Linguistics 173. Linguistic Issues in the Teaching of Japanese

Catalog Number: 4208

Wesley M. Jacobsen

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

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.

Prerequisite: Japanese 101b 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). Hours to be arranged.

Examination of phenomena of tense and aspect in Japanese, with special attention to verbal semantics and the interaction of temporal categories with modality and transitivity.

Note: Expected to be given in 2003–04.

Prerequisite: Knowledge of Japanese equivalent to Japanese 101b, or familiarity with the linguistic structure of a non-Indo-European language, or permission of instructor.

[Linguistics 175. Structure of Japanese]

Catalog Number: 6658

Susumu Kuno

Half course (fall term). Hours to be arranged.

Examination of syntactic and semantic features of Japanese from the point of view of language typology and language universals.

Note: Expected to be given in 2002–03. No previous knowledge of Japanese required.

Prerequisite: Linguistics 112a or equivalent.

[Linguistics 176. History of the Japanese Language]

Catalog Number: 4861

Wesley M. Jacobsen

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 2002–03.

[Linguistics 178. Topics and Methods in Psycholinguistics]

Catalog Number: 1347

Half course (spring term). Hours to be arranged.

This course will discuss selected experimental research on questions of importance to theoretical linguistics, such as: How many “senses” do polysemous words have? How are these “senses” stored in the brain? Is the distinction between derivation and inflection psychologically real?

How does language change come about? How do we understand language as rapidly as we do?

The goal of the class is to develop a familiarity with commonly-used methods in psycholinguistics and to understand the applicability of these methods to linguistic research.

Note: Expected to be given in 2002–03.

Prerequisite: Linguistics 110 or consent of instructor.

Cross-listed Courses

[Classics 190. Approaches to Classical and Indo-European Poetics]

English 101. The History and Structure of the English Language

Greek 134. The Language of Homer

[Latin 134. Archaic Latin]



[Psychology 1302 (formerly Psychology 1500). Psychology of Language]

***Psychology 1357. Evolution 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

[Slavic 126b. Structure of Modern Russian: Morphosyntax]

Yiddish 105. Yiddish Language and Linguistic Theory

Primarily for Graduates

Linguistics 202. Advanced Syntax

Catalog Number: 8175

Lynn Nichols

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

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). F., 1–3. EXAM GROUP: 6, 7

Examination of current issues of syntactic theory representing instructor's and/or students' research interest. This year the topic will be on issues surrounding the syntax-semantics interface, possibly including binding, long-distance anaphora, and the syntax and semantics of moved and in-situ wh-questions.

[Linguistics 205. The Syntax-Semantics Interface]

Catalog Number: 0776

Half course (fall term). Hours to be arranged.

This course will explore 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.

Note: Expected to be given in 2002–03.

Prerequisite: Linguistics 112b or permission of the instructor.

Linguistics 206. Syntactic Structure and Argument Structure

Catalog Number: 9020

C.-T. James Huang

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

How do predicates differ with respect to their argument selection properties? How are lexical properties projected to syntactic structures? How do languages differ in syntactic structures and what explains the variations? We shall examine these and related issues in light of recent proposals, with emphasis on language variation and the role of functional categories.



Linguistics 215. Phonological Theory

Catalog Number: 5612

Jie Zhang

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Survey of phonological theory. The course will begin by looking at the properties of rule-based phonology (especially rule typology, principles of rule-ordering, and structure preservation), and work its way to Optimality Theory.

Linguistics 219r. Advanced Phonology

Catalog Number: 2154

Jie Zhang

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

An in-depth examination of the role of phonetics in phonology. A variety of phonetically-driven phonological phenomena will be discussed from both a synchronic and diachronic perspective. Different approaches to phonetics in phonology: rich representation (à la Steriade, Kirchner, Boersma, Zhang), phonetics in history (à la Blevins and Garrett, Ohala, Hyman), and phonetics in learning (à la Hayes). Necessary phonetic background will be provided.

Linguistics 220ar. Advanced Indo-European

Catalog Number: 3428

Calvert Watkins

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Topics in the comparison of formulaic sequences, and other aspects of Indo-European poetics. Conducted as a seminar.

Linguistics 221r. Workshop in Indo-European

Catalog Number: 1008

Jay H. Jasanoff

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Conducted as a seminar. The topic for the year will be arranged in consultation with interested students.

[Linguistics 223. Comparative Anatolian]

Catalog Number: 2620

Jay H. Jasanoff and Calvert Watkins

Half course (spring term). Hours to be arranged.

Comparative survey of the synchronic and diachronic grammar of the ancient Indo-European languages of Anatolia, with special attention to nominal and verbal morphology.

Note: Expected to be given in 2002–03.

[Linguistics 224. Historical and Comparative Linguistics]

Catalog Number: 2967

Jay H. Jasanoff

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, subgrouping.

Note: Expected to be given in 2002–03.

Linguistics 225a. Introduction to Hittite

Catalog Number: 8206

Calvert Watkins

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 12

Grammar and reading of texts in cuneiform and in transliteration; essentials of the comparative grammar of the Indo-European languages of Anatolia.

Note: No previous knowledge of cuneiform presumed.

Linguistics 226r. Advanced Hittite

Catalog Number: 0858

Calvert Watkins

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Texts of various genres.

Note: Provisions will be made for any student who wishes to begin Hittite this semester.

Linguistics 241r. Practicum in Syntax and Phonology

Catalog Number: 4260

Susumu Kuno 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 both second- and third-year graduate students concentrating in syntax or phonology.

[Linguistics 242r. Practicum in Historical Linguistics]

Catalog Number: 5569

Jay H. Jasanoff and Calvert Watkins

Half course (spring term). Hours to be arranged.

Presentation of reports on current research or assigned topics.

Note: Expected to be given in 2002–03. Required of both second- and third-year graduate students concentrating in historical linguistics.

[Linguistics 247. Topics in Germanic Linguistics]

Catalog Number: 3693

Jay H. Jasanoff

Half course (spring term). Hours to be arranged.

Investigation of selected topics in Germanic historical linguistics.

Note: Expected to be given in 2002–03.

Linguistics 250. Old Church Slavonic

Catalog Number: 8449

Michael S. Flier

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



History of the first Slavic literary language, its role in Slavic civilization; phonology, morphology, syntax, and vocabulary of Old Church Slavonic; reading from canonical texts.

Linguistics 252. Comparative Slavic Linguistics

Catalog Number: 3571

Michael S. Flier

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to the historical phonology and morphology of the Slavic languages with special attention to relative chronology and linguistic geography.

Prerequisite: Linguistics 250.

Linguistics 277r (formerly Linguistics 277). Topics in Japanese and Korean Syntax

Catalog Number: 2661

Susumu Kuno

Half course (fall term). M., 2–4.

Contrastive analysis of major syntactic constructions of Japanese and Korean.

Prerequisite: Linguistics 175 or equivalent.

Linguistics 291r (formerly Linguistics 291). Functional Approach to Syntax

Catalog Number: 5046

Susumu Kuno

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Discourse-oriented analysis of syntax based on the functional sentence perspective (theme and rheme) and on the “point of view” perspective (the speaker’s attitude toward participants in an event). Examines pronominalization, reflexivization, and various deletion and movement processes.

Cross-listed Courses

Celtic 200. Introduction to Old Irish

Celtic 201. Continuing Old Irish

[Celtic 203r. Middle Irish]

[Celtic 225a. Introduction to Middle Welsh]

[Celtic 225b. Continuing Middle Welsh]

[Classics 240. Topics in Greek Linguistics and Poetics]

[*Computer Science 287r. Natural Language Processing]

[Computer Science 288. Computational Models of Discourse]

***Scandinavian 200a. Introduction to Old Norse**

[Semitic Philology 200r. Comparative Semitic Grammar: Seminar]

[Semitic Philology 230. The Early History of Northwest Semitic]

[Slavic 201. Introduction to East Slavic Languages]

[Slavic 250. Structure of Ukrainian]

Slavic 296r. Slavic Linguistics: Seminar

Graduate Courses of Reading and Research



***Linguistics 300. Direction of Doctoral Dissertations**

Catalog Number: 6729

Alfonso Caramazza 1871 (on leave 2001-02), Michael S. Flier 2878, C.-T. James Huang 4066, Wesley M. Jacobsen 3443, Jay H. Jasanoff 1661 (on leave spring term), Susumu Kuno 1083 (on leave 2002-03), Salikoko Mufwene (University of Chicago) 4045, Lynn Nichols 3613, Jonathan Nissenbaum 3894 (fall term only), P. Oktor Skjaervo 2869, Bert Vaux 1452 (on leave spring term), and Calvert Watkins 2553

***Linguistics 301. Reading or Special Topics Course**

Catalog Number: 0861

Members of the Department and others listed under Linguistics 300.

Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Literature

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*Chair (on leave 2001-02)*)

Sandra Naddaff, Senior Lecturer on Literature (*Acting Chair (fall term), Director of Studies*)

Svetlana Boym, Professor of Slavic Languages and Literatures and of Comparative Literature (*on leave spring term*)

Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures (*on leave fall term*)

Eileen Cheng-yin Chow, Assistant Professor of Chinese Literary and Cultural Studies (*on leave 2002-2003*)

Tom Conley, Professor of Romance Languages and Literatures

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature

Bradley S. Epps, Professor of Romance Languages and Literatures

Marjorie Garber, William R. Kenan, Jr. Professor of English

Luis M. Girón Negrón, Assistant Professor of Comparative Literature and Romance Languages and Literatures (*on leave spring term*)

John T. Hamilton, Assistant Professor of Comparative Literature and Literature

Oren Jeremy Izenberg, Assistant Professor of English and American Literature and Language (*on leave 2002-03*)

Despina Kakoudaki, Assistant Professor of Comparative Literature and of Literature

James L. Kugel, Harry Starr Professor of Classical and Modern Jewish and Hebrew Literature and Professor of 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 2002-2003*)

John M. Picker, Assistant Professor of English and American Literature and Language

Eric Rentschler, Professor of German

Judith Ryan, Harvard College Professor and Robert K. and Dale J. Weary Professor of German and Comparative Literature (*on leave fall term*)

Sharmila Sen, Assistant Professor of English and American Literature and Language (*on leave fall term*)

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature

William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature

Justin Weir, Assistant Professor of Slavic Languages and Literatures (*on leave spring term*)

Other Faculty Offering Instruction in the Literature Concentration

Verena A. Conley, Visiting Professor of Literature

Rita B. Goldberg, Lecturer on Literature

Melinda G. Gray, Lecturer on Literature, Allston Burr Senior Tutor in Pforzheimer House

Lillian Paula Porten, Preceptor in Expository Writing

Primarily for Undergraduates

***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 97a. Tutorial — Sophomore Year**

Catalog Number: 2776

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (fall term). Hours to be arranged.

Note: Successful completion of one semester of Literature 97a is required of all concentrators in their sophomore year.

***Literature 97b. 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 one semester of Literature 97b 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 semester 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 semester 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 semester 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 semester of Literature 99b is required of all concentrators in their senior year.

For Undergraduates and Graduates

[*Literature 100. Narrative Forms]

Catalog Number: 5556 Enrollment: Limited to 15.

Sandra Naddaff

Half course (fall term). Hours to be arranged.

An examination and analysis of narrative techniques and strategies in a variety of texts ranging from simple to complex narrative forms. Texts from different narrative contexts and cultures will be considered and will include the *1001 Nights*, *The Odyssey*, *Don Quixote*, *Pamela*, *Madame Bovary*, *The Sound and The Fury*, and *Season of Migration to the North*, as well as important works of narrative theory.

Note: Expected to be given in 2002–03.

Literature 105. Introduction to the Theory of Sexuality

Catalog Number: 8139

Heather K. Love

Half course (spring term). Tu., Th., at 1., and a weekly section to be arranged. EXAM GROUP:

15



An introduction to several key concepts in the history and theory of sexuality. The course will be interdisciplinary in approach, with readings in queer theory, cultural studies, psychoanalysis, the social sciences, literature and the visual arts. We will also consider contemporary queer cultural production (film, zines, performance, etc.). Special attention to the relation between gender and sexuality; queer historiography; global sexualities; gay pride and gay shame; and transgender studies.

Literature 107. Introduction to the Study of Film

Catalog Number: 4249

Despina Kakoudaki

Half course (spring term). M., W., at 12 and a weekly film screening, Tu., 3-5. EXAM GROUP: 5

This class explores films that aim to assault or alter human vision through the self-conscious representation of spectacular moments. We will focus on film as a medium for astonishment, formulate a theoretical approach to understanding techniques of spectacle, trace relevant historical developments, and discuss contemporary theories of film art, genre and spectatorship. Films by D. W. Griffith, Luis Buñuel, Orson Welles, Federico Fellini, Akira Kurosawa, Stanley Kubrick, and others.

[*Literature 109. On Translation]

Catalog Number: 0594 Enrollment: Limited to 20.

Sandra Naddaff

Half course (fall term). Hours to be arranged.

Examination of theories of translation from various periods (Dryden, Schopenhauer, Benjamin, Borges, Asad, among others). Also looks closely at specific translated texts (e.g., various translations of Homer's *Odyssey*, Burton's *Thousand Nights and a Night*), and considers such topics as the notion of "unequal languages," the problem of cultural translation, untranslatability, and translation as imitation and re-creation.

Note: Expected to be given in 2002–03.

Prerequisite: Reading knowledge of one foreign language.

Literature 110. Furor Poeticus: Madness, Inspiration, Genius

Catalog Number: 7758

John T. Hamilton

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

The course begins with the classical conception of mania as a divine source of prophecy, ecstasy, poetic creation and erotic desire; then traces its manifestations and elaboration in select literary, theoretical and critical works of the Western tradition. Readings from: Sophocles, Plato, Seneca, Ficino, Shaftesbury, Diderot, Goethe, Büchner, Hölderlin, Nerval, Lautréamont, Freud, Breton, Artaud, Foucault, Kristeva, and C. Wolf.

[*Literature 122. Literature and Music]

Catalog Number: 2360 Enrollment: Limited to 20. Preference given to Literature concentrators.

Sandra Naddaff

Half course (spring term). Hours to be arranged.

Explores the intersection of literary texts and genres with musical forms and themes in a number of different contexts. Topics include such issues as the adaptation of text into music; the



thematization of music in narrative; the Broadway musical; and the musicality of poetry. Works include *Romeo and Juliet*, *West Side Story*, *The Kreuzer Sonata*, *Ulysses*, *Jazz*, and others.

Note: Expected to be given in 2002–03.

[*Literature 124. Space and Place in Postmodern Culture]

Catalog Number: 8228 Enrollment: Limited to 20. Preference given to Literature concentrators.

Verena A. Conley

Half course (fall term). Hours to be arranged.

Focuses on the renewed awareness of space in contemporary literature, film and theory.

Examines the reinvention of space and the loss of place in an era of simulation with the advent of teletechnologies and globalism. Studies space and place through fictional and theoretical texts (Augé, Baudrillard, de Certeau, Deleuze, Perec, Virilio) and film (Akerman, Godard, Scott, Wenders).

Note: Expected to be given in 2002–03.

***Literature 125. Literature, Technology, and the Body**

Catalog Number: 5958 Enrollment: Limited to 20. Preference given to Literature concentrators.

Verena A. Conley

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Focuses on the relation between literature, technology and the body. How does the evolution of technologies, seen as liberation or threat, alter representations of the body? How does it affect notions of gender? How does it rewrite the limit between humans and the machine? Questions will be addressed by means of literature (James, Villiers de l'Isle Adam, Woolfe, Cixous, Burroughs, Powers, Gibson), film (Potter, Scott, the Wachowski Brothers) and some theoretical texts (Heidegger, Haraway, Plant).

[*Literature 128. Performing Texts]

Catalog Number: 3404 Enrollment: Limited to 20.

Julie A. Buckler

Half course (spring term). Hours to be arranged.

What is the relationship between dramatic text and work? How do plays create audiences? What does the ubiquitous dramatic site of “home” (domestic interiors, family estates) contribute to the performance of “authentic” identities? This course enlists performance theory in the illumination of the dramatic texts and theatrical contexts of Pushkin, Gogol, Ostrovsky, Chekhov, Ibsen, Wilde, Bulgakov, Shaw, Kharms, Beckett, Sartre, O'Neill, Williams, Miller, and Petrushevskaya. Particular attention to restagings (19th-century dramas revisioned by Meyerhold and Stanislavsky), cross-cultural appropriations (Western stagings of Chekhov), theories of drama and culture (Nietzsche, Wagner, Shaw, Brecht, Ivanov, Evreinov).

Note: Expected to be given in 2002–03.

[*Literature 129. Reading the 18th Century Through 20th-Century Eyes]

Catalog Number: 5600 Enrollment: Limited to 15.

Christie McDonald

Half course (spring term). Hours to be arranged.

Why do we read texts from the French Enlightenment today and how? Analysis of works from the 18th century as well as novels, plays, media events, and films of the 20th century that revisit



key questions: what is the present in its relationship to the past? what constitutes change? what is the relationship of the individual to the family, the state, and society? Topics of discussion will include textual rewritings of novels and confessions; re-publication of works by women and the question of the canon; the controversy around pornography and reproduction; imagining what might have been in rewriting history through literature, the media and opera. Readings include works by 1) Beaumarchais, Charrière, Graffigny, Diderot, Franklin, Kant, Rousseau, Sade; 2) Beauvoir, Blanchot, Boyd, Foucault, Klossowski, Kundera, Shine, Hoffman, Corigliano, Weiss. *Note:* Expected to be given in 2002–03.

***Literature 130. Reconfiguring the City**

Catalog Number: 1034 Enrollment: Limited to 20. Preference given to Literature concentrators
Verena A. Conley

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines the city as concept, representation and simulation through literature, film and theory. Focuses on some regimes of the city rather than a particular city. Investigates how the city becomes a manifestation of a general urban condition; how it is reconfigured through the media and digital networks and how notions of “third culture” relate to a culture of disappearance. Works studied include literature (Baudelaire, Calvino, Perec), film (Godard, Wenders, Koo), theory (Baudrillard, Benjamin, Jameson, Koolhaas, Latour).

Literature 131. Twentieth-Century Fictions of Sexuality

Catalog Number: 1674

Heather K. Love

Half course (fall term). M., W., (F.), at 12 and a weekly section to be arranged. EXAM GROUP: 5

This course explores the intersection between narrative form and representations of sexuality in twentieth-century texts. We will consider a range of aesthetic responses to the “invention of the homosexual” with special attention to questions of authenticity and artifice and to narrative techniques of indirection, secrecy, and suggestion. Readings and films by Freud, James, Wilde, Stein, Cather, Mann, Larsen, Hall, Barnes, Yourcenar, Baldwin, Moraga, Hollinghurst, Barthes, Sedgwick, Butler, Akerman, Wong Kar-Wai, and others.

[Literature 140. Colonial and Post-Colonial Spaces: France and North Africa]

Catalog Number: 9366

Verena A. Conley

Half course (spring term). Hours to be arranged.

Focuses on transformations of colonial and postcolonial spaces in North Africa that include Morocco, Tunisia, and, especially, Algeria. Special attention will be given to shifting notions of cultural terrain, language, violence, revolution, in relation to community and identity. We will also examine the emergence of new cultural spaces in connection with urban immigration in France and Europe. Works studied include literature (Begag, Boudjedra, Charef, Djébar, Kateb Yacine, Khatibi, Memmi) film (Djébar, Isaac Julien, Kassovitz) and theory (de Certeau, Fanon, Said).

Note: Expected to be given in 2002–03.

Cross-listed Courses



[Chinese Literature 130. Screening Modern China: Chinese Film and Culture](#)

[Chinese Literature 132. Chinatowns](#)

[Chinese Literature 150. Diaspora and Transnationalism](#)

[Chinese Literature 228. Asian Modernities: An Introduction to Critical and Cultural Theories]

[Comparative Literature 102x. How to Think Money]

[Comparative Literature 111. From Type to Self in the Middle Ages](#)

[Comparative Literature 158. Turning the Century: Culture, Technology, and Representation, 1870-1910](#)

[Comparative Literature 165. The Holocaust and Problems of Representation](#)

[Comparative Literature 167. Contemporary Fiction: The Novel After Theory]

[Comparative Literature 168. Literature and Film]

[Comparative Literature 182. Comparative Cultures of Money]

[Comparative Literature 208. Experience and Expression: Seminar](#)

[Comparative Literature 215. Melopoeia: On German Music and Letters: Seminar](#)

[*Comparative Literature 260. Literature and Exile: Seminar]

[*Comparative Literature 261. Memory and Modernity: Seminar]

[Comparative Literature 265. Vision in Motion: Science and Technology in Early Film](#)

[*Comparative Literature 269. Paralysis: Seminar](#)

[Comparative Literature 275. Theory of Narrative: Conference Course](#)

[*Comparative Literature 283. Language War: Seminar](#)

[*Comparative Literature 285. Comparative Romantic Theory: Seminar](#)

[*Comparative Literature 287r. Selected Topics in Poetics and Rhetoric: Seminar](#)

[*English 90ui. The Indian Novel in English](#)

[English 167p. Postcolonial Narratives](#)

[English 181. Introduction to Literary Theory]

[English 185b. Race and Allegory]

[English 187d. American Literatures in Languages Other than English](#)

[English 190. Major Critical Approaches]

[*English 291b. Language Disorders and the Literary Tradition: Graduate Seminar](#)

[French 121. The Text of the Renaissance](#)

[French 132b. 20th-Century French Fiction II: The Experimental Mode]

[French 167. Parisian Cityscapes]

[French 182. Poetics and Politics: Contemporary French Theory and Culture]

[French 267. The Public Intellectual in France, from Zola to Bourdieu](#)

[French 271. Legacies of Poststructuralism: An Introduction](#)

[Romance Studies 196. Other Romances: Literature, Cinema, and Queerness](#)

[Slavic 143. Russian Formalism](#)

[Slavic 179. Literature as Institutions: Conference Course](#)

[Spanish 165. Bilingual Arts]

[Spanish 186. Tobacco and Sugar]

[Spanish 268. A Rhetoric of Particularism]

[Women's Studies 103. Introduction to Gay and Lesbian Studies]



Mathematics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Mathematics

Benedict H. Gross, George Vasmer Leverett Professor of Mathematics (*Chair*)
 Daniel Allcock, Benjamin Peirce Assistant Professor of Mathematics
 Matthew Baker, Assistant Professor of Mathematics
 Paul G. Bamberg, Senior Lecturer on Mathematics
 John Boller, Preceptor in Mathematics
 Alexander Braverman, Benjamin Peirce Assistant Professor of Mathematics (*on leave spring term*)
 Danny Calegari, Benjamin Peirce Assistant Professor of Mathematics
 Albert Chau, Benjamin Peirce Assistant Professor of Mathematics
 Christophe Cornut, Benjamin Peirce Assistant Professor of Mathematics (*on leave 2002-03*)
 Stephen DeBacker, Benjamin Peirce Assistant Professor of Mathematics
 Nathan Dunfield, Benjamin Peirce Assistant Professor of Mathematics (*on leave 2001-02*)
 Noam D. Elkies, Professor of Mathematics
 Andrew Engelward, Preceptor in Mathematics
 Daniel L. Goroff, Professor of the Practice of Mathematics, Associate Director of the Derek Bok Center for Teaching and Learning
 Robin Gottlieb, Senior Preceptor in Mathematics
 Thomas Benjamin Graber, Benjamin Peirce Assistant Professor of Mathematics (*on leave 2001-02*)
 Joseph D. Harris, Higgins Professor of Mathematics (*Director of Graduate Studies*)
 Kalle Karu, Benjamin Peirce Assistant Professor of Mathematics
 David Kazhdan, Perkins Professor of Mathematics (*on leave 2002-03*)
 Oliver Knill, Preceptor in Mathematics
 Peter B. Kronheimer, Professor of Mathematics
 John F. Mackey, Preceptor in Mathematics
 Barry C. Mazur, Gerhard Gade University Professor
 Curtis T. McMullen, Maria Moors Cabot Professor of the Natural Sciences
 Mihnea Popa, Benjamin Peirce Assistant Professor of Mathematics
 James G. Propp, Visiting Associate Professor of Mathematics (*University of Wisconsin*)
 Fernando Rodriguez-Villegas, Visiting Associate Professor of Mathematics, Visiting Scholar in Mathematics (*University of Texas, Austin*)
 Gerald E. Sacks, Professor of Mathematical Logic
 Wilfried Schmid, Dwight Parker Robinson Professor of Mathematics (*on leave fall term*)
 Yum Tong Siu, William Elwood Byerly Professor of Mathematics (*on leave 2002-03*)
 Gigliola Staffilani, Visiting Associate Professor of Mathematics, Visiting Scholar in Mathematics (*Stanford University*)
 William A. Stein, Benjamin Peirce Assistant Professor of Mathematics



Shlomo Z. Sternberg, George Putnam Professor of Pure and Applied Mathematics (*on leave spring term*)

Dmitry Tamarkin, Benjamin Peirce Assistant Professor of Mathematics

Clifford Taubes, William Petschek Professor of Mathematics (*Director of Undergraduate Studies*)

Richard L. Taylor, Professor of Mathematics (*on leave 2002-03*)

Tatiana Toro, Visiting Associate Professor of Mathematics, Visiting Scholar in Mathematics (*University of Washington*)

Dale Winter, Preceptor in Mathematics

Trevor Wooley, Visiting Professor of Mathematics (*University of Michigan*)

Shing-Tung Yau, William Casper Graustein Professor of Mathematics

Joy Ann Young

The Mathematics Department would like to welcome students into that course for which they are best qualified. 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 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.

Placement in Mathematics Xa, 1a, 1b, 20 and 21 is based on the results of the Harvard Mathematics Placement Test, and/or the Advanced Placement Examinations.

One calculus sequence is Mathematics 1a, 1b, 21a, 21b. 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-semester 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 19 can be taken either before or after Mathematics 21 (or Mathematics 20). Mathematics 19 covers modeling and differential equation topics for students interested in biological and other life science 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.

Placement in Mathematics 21b, 23a, 25a, and more advanced courses is based on material not covered in the placement examinations. Students who have had substantial preparation beyond the level of the Advanced Placement Examinations are urged to consult the Department concerning their proper placement in mathematics courses. Students should take this matter very seriously and solicit advice from faculty members in the Mathematics Department. The 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 Department Office. Many 100-level courses assume some familiarity with proofs. Courses that fulfill this prerequisite include Mathematics 23, 25, 55, 101, 102, 112, 121, 141. Of these, note that Mathematics 101 and 102 may be taken concurrently with Mathematics 1, 19, 20, or 21.

The 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 Department is prepared to make exceptions for sufficient academic reasons; in each case, however, a student must obtain written permission from the Head Tutor 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.

Dale Winter, Mihnea Popa, 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: 3

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 yearlong reinforcement. Applications to biology and economics emphasized according to the interests of our students.

Note: Required first meeting: Thursday, September 13, 8:00 am, Science Center A. The sequence Xa, Xb gives solid preparation for Mathematics 1b. Both Mathematics Xa and Xb must be taken to fulfill the Quantitative Reasoning requirement.

Mathematics Xb. Introduction to Functions and Calculus II

Catalog Number: 3857 Enrollment: Normally limited to 15 students per section.



Dale Winter 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: 3

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: Both Math Xa and Xb must be taken together to fulfill the Quantitative Reasoning requirement.

Prerequisite: Mathematics Xa.

Mathematics 1a. Introduction to Calculus

Catalog Number: 8434 Enrollment: Normally limited to 30 students per section.

John F. Mackey and members of the Department

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 session to be arranged. EXAM GROUP: 2

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: Wednesday, September 12, 8:00 am, Science Center D.

Prerequisite: A solid background in precalculus.

Mathematics 1b. Calculus, Series and Differential Equations

Catalog Number: 1804 Enrollment: Normally limited to 30 students per section.

Robin Gottlieb, Daniel Allcock, Albert Chau, Stephen DeBacker, and Dmitry Tamarkin (fall term); Robin Gottlieb, Stephen DeBacker, James Propp, Dmitry Tamarkin (spring term) and members of the Department.

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 in spring); Section V: Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1, and a weekly problem session to be arranged. Required exams: Hours to be arranged. EXAM GROUP: Fall: 2; Spring: 1

Galileo wrote that, “The book of the universe is written in the language of mathematics.” Great problems in the physical, biological, and social sciences all find their expression as differential equations. This course builds on basic calculus to study differential equations of the first and second order. We develop both qualitative methods for visualizing solutions as well as analytical methods for writing out solutions, including techniques that evolve from our study of integration, infinite series, power series, and Taylor series.

Note: Required first meeting for fall: Wednesday, September 12, 8:00 am, Science Center C.

Required first meeting in spring: Wednesday, January 30, 8:00 am, Science Center B.

Prerequisite: Mathematics 1a, or Xa and Xb, or equivalent.



Mathematics 19. Mathematical Modeling

Catalog Number: 1256

Albert Chau

Half course (fall term). M., W., F., at 1, and a weekly problem session 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 includes 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: 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.

Mathematics 20. Introduction to Linear Algebra and Multivariable Calculus

Catalog Number: 0906

Daniel Allcock and John F. Mackey (spring term)

Half course (fall term; repeated spring term). Fall: M., W., F., at 9, Spring: M., W., F., at 9, and a weekly problem session 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.

Note: Covers the topics from Mathematics 21a,b which are most important in applications to economics, the social sciences, and some other fields. 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.

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.

Clifford Taubes, Paul Bamberg, Christophe Cornut, Kalle Karu, Oliver Knill (fall term); Andrew Engelward, Christophe Cornut (spring term) and members of the Department.

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 session to be arranged. Required exams: Hours to be arranged. EXAM GROUP: 1

To see how calculus applies in situations described by more than one variable, we study: Vectors, lines, planes, parametrization 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; Vector fields, line and surface integrals for work and flux; Divergence and curl of vector fields; the Green's, Stokes', and Divergence Theorems. Finally, there is an introduction to partial differential equations.

Note: Required first meeting in fall: Thursday, September 13, 8:00 am, Science Center C.

Required first meeting in spring: Wednesday, January 30, 8:00 am, Science Center C. May not



be taken for credit by students who have passed Applied Mathematics 21a. Activities using computers to calculate and visualize applications of these ideas will not require previous programming experience. Special sections for students interested in physics or biochemistry and social sciences are offered each semester. The biochemistry/social sciences sections treat topics in probability and statistics in lieu of Green's, Stokes' and the Divergence Theorems.

Prerequisite: Mathematics 1b or equivalent.

Mathematics 21b. Linear Algebra and Differential Equations

Catalog Number: 1771 Enrollment: Normally limited to 30 students per section.

Richard L. Taylor (spring term), Dale Winter (fall term), Oliver Knill (spring term), Yum Tong Siu (spring term), and William A. Stein

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. Spring: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12 (with sufficient enrollment); Section V, Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1; and a weekly problem session to be arranged. EXAM GROUP: 2

By adding and multiplying arrays of numbers called vectors and matrices, linear algebra provides the structure for solving problems that arise in practical applications ranging from Markov processes to optimization and from Fourier series to statistics. To understand how, we develop thorough treatments of: euclidean spaces, including their bases, dimensions and geometry; and linear transformation of such spaces, including their determinants, eigenvalues, and eigenvectors. These concepts will be applied to solve dynamical systems, including both ordinary and partial differential equations.

Note: Required first meeting in fall: Wednesday, September 12, 8:00 am, Science Center A.

Required first meeting in spring: Wednesday, January 30, 8:00 am, Science Center D. May not be taken for credit by students who have passed Applied Mathematics 21b.

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. Theoretical Linear Algebra and Multivariable Calculus I

Catalog Number: 2486

John Boller

Half course (fall term). M., W., F., at 11, and a one-hour conference section to be arranged.

EXAM GROUP: 4

Vectors and matrices; eigenvalues and eigenvectors; systems of linear differential equations; differentiation and integration of functions of several variables; line integrals.

Note: Mathematics 23a,b are honors courses, specifically designed for students with strong mathematics backgrounds who are seriously interested in continuing in the theoretical sciences.

Prerequisite: Mathematics 1b or a grade of 4 or 5 on the Calculus BC Advanced Placement Examination. This course does not correlate with the Physics 15 sequence. Mathematics 23 goes well beyond the concepts strictly necessary for Physics 15, which are more closely followed in Mathematics 21.

Mathematics 23b. Theoretical Linear Algebra and Multivariable Calculus II

Catalog Number: 8571

John Boller



Half course (spring term). M., W., F., at 11, and a one-hour conference section to be arranged.

EXAM GROUP: 4

Continuation of the subject matter of Mathematics 23a. A rigorous treatment of linear algebra and the calculus of functions in n -dimensional space.

Prerequisite: Mathematics 23a.

Mathematics 25a. Honors Multivariable Calculus and Linear Algebra

Catalog Number: 1525

Kalle Karu

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

A rigorous treatment of linear algebra, point-set and metric topology, and the calculus of functions in n variables. Emphasis placed on careful reasoning, and on learning to understand and construct proofs.

Note: This course should only be elected by students with a strong interest and background in mathematics. May not be taken for credit after Mathematics 23.

Prerequisite: A 5 on the Advanced Placement BC-Calculus Examination, or the equivalent as determined by the instructor.

Mathematics 25b. Honors Multivariable Calculus and Linear Algebra

Catalog Number: 1590

Kalle Karu

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

A continuation of Mathematics 25a. More advanced topics, such as Fourier analysis, differential forms, and differential geometry, will be introduced as time permits.

Prerequisite: Mathematics 25a or permission of instructor.

***Mathematics 55a. Honors Advanced Calculus and Linear Algebra**

Catalog Number: 4068

Wilfried Schmid

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A rigorous treatment of metric and general topology, linear and multi-linear algebra, differential and integral calculus.

Note: Mathematics 55a is an intense 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.

Mathematics 55b. Honors Advanced Calculus and Linear Algebra

Catalog Number: 3312

Wilfried Schmid

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Continuation of Mathematics 55a. Calculus on manifolds, de Rham cohomology. Additional topics may include differential equations.

Prerequisite: Mathematics 55a or permission of instructor.



***Mathematics 60r. Reading Course for Senior Honors Candidates**

Catalog Number: 8500

Clifford Taubes

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in courses.

Note: Open only 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/UNS only.

***Mathematics 91r. Supervised Reading and Research**

Catalog Number: 2165

Clifford Taubes

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

Clifford Taubes and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Topics for 2001-02: (1) Modular Forms (fall) Prerequisites: one semester of complex analysis (such as Math 113), also one semester of algebra or concurrent enrollment in algebra is strongly recommended. (2) Classical Mechanics and Geometry (fall) Prerequisites: multivariable calculus, linear algebra and comfort with reading and writing rigorous mathematical arguments are necessary prerequisites. For example, completion of Math 21a,b and Math 101, or Math 23a,b, or Math 25a,b or Math 55a,b satisfies this prerequisite. In addition knowledge of point-set topology at the level of Math 101, 112 or 131 will be assumed. (3) Statistics and its Applications to Biology (spring) Prerequisites: probability theory (at the level of Stat 110) and linear algebra. (4) Milnor's Seven-Spheres (algebraic and differential topology) (spring) Prerequisites: multivariable calculus, linear algebra and comfort with reading and writing rigorous mathematical arguments are necessary prerequisites. For example, completion of Math 21a,b and Math 101, or Math 23a,b, or Math 25a,b or Math 55a,b satisfies this prerequisite. In addition knowledge of smooth manifolds and homology theory at the level of Math 135 will be assumed.

Note: May be repeated for course credit with permission from the Director of Undergraduate Studies. Only one tutorial may count for concentration credit. Students must register their interest in taking a tutorial with the Assistant Director of Undergraduate Studies by the second day of the semester in which the tutorial is offered.

Cross-listed Courses

For Undergraduates and Graduates

See also Applied Mathematics and Statistics.

Mathematics 101. Sets, Groups and Topology

Catalog Number: 8066



Daniel L. Goroff

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to rigorous mathematics, axioms, and proofs, via topics such as set theory, symmetry groups, and low-dimensional topology.

Note: Acquaintance with algebra, geometry and/or calculus is desirable. Students who have already taken Mathematics 25a,b or 55a,b should not take this course for credit.

Prerequisite: An interest in mathematical reasoning.

Mathematics 102. Methods of Discrete Mathematics

Catalog Number: 8389

Paul G. Bamberg and John Boller

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to rigorous mathematics and proof drawing on topics from group theory, graph theory, combinatorics, and number theory. We explore how proofs are discovered and refined through observation, conjecture, and verification. As one component of this investigation, we will use Mathematica to explore interesting and otherwise intractable examples to develop computer-aided proofs.

Note: Acquaintance with Calculus is desirable. Students who have taken Mathematics 25ab or Mathematics 55ab should not take this course for credit. This course is designed to fulfill the goals of Mathematics 101.

Prerequisite: Mathematics 21b or equivalent. The student should also have some familiarity with some computer language though no prior familiarity with Mathematica will be assumed.

Mathematics 112. Real Analysis

Catalog Number: 1123

Curtis T. McMullen

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

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, sets of measure zero and conditions for integrability.

Prerequisite: Mathematics 21a,b or 23a,b, and either an ability to write proofs or concurrent enrollment in Mathematics 101. Should not ordinarily be taken in addition to Mathematics 25a,b or 55a,b.

Mathematics 113. Complex Analysis

Catalog Number: 0405

Matthew Baker

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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 and the study of harmonic functions. An introduction to conformal geometry and conformal mappings.

Prerequisite: Mathematics 23a,b, 25a,b, or 101. Students with an A grade in Mathematics 21a,b may also consider taking this course, but must understand proofs.



Mathematics 115. Methods of Analysis and Applications

Catalog Number: 1871

Dmitry Tamarkin

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Some complex function theory; Fourier analysis; Hilbert spaces and operators; Laplace's equations; Bessel and Legendre functions; symmetries; and Sturm-Liouville theory.

Note: Mathematics 115 is especially for students interested in physics.

Prerequisite: Mathematics 21a,b, 23a,b, or 25a,b, and permission of instructor.

[Mathematics 118r. Dynamical Systems]

Catalog Number: 6402

Shlomo Z. Sternberg

Half course (spring term). Hours to be arranged.

Introduction to dynamical systems theory with a view toward applications. Topics include existence and uniqueness theorems for flows, qualitative study of equilibria and attractors, iterated maps, and bifurcation theory. Computer programs will be developed and used for visualization, approximation, and experimentation.

Note: Expected to be given in 2002–03.

Prerequisite: Mathematics 21a,b.

Mathematics 119. Partial Differential Equations and Applications

Catalog Number: 7326

Albert Chau

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Partial differential equations with constant coefficients, hyperbolic elliptic, and parabolic equations, Fourier analysis, Green's function.

Prerequisite: Familiarity with functions of a complex variable.

Mathematics 121. Linear Algebra and Applications

Catalog Number: 7009

Peter B. Kronheimer

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Real and complex vector spaces, dual spaces, linear transformations and Jordan normal forms. Inner product spaces. Applications to linear programming, game theory and optimization theory. Emphasizes learning to understand and write proofs.

Prerequisite: Mathematics 21a,b or equivalent. Should not ordinarily be taken in addition to Mathematics 23a,b, 25a,b, or 55a,b.

Mathematics 122. Abstract Algebra I: Theory of Groups and Vector Spaces

Catalog Number: 7855

Stephen DeBacker

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Introduction to the theory of groups and group actions, with emphasis on finite groups and matrix groups. Sylow theorems. A short introduction to rings and fields. Vector spaces and linear transformations. Bilinear forms: symmetric, Hermitian, and skew-symmetric forms.



Prerequisite: Mathematics 21b and the ability to write proofs as in Mathematics 101, 121, or the equivalent.

Mathematics 123. Abstract Algebra II: Theory of Rings and Fields

Catalog Number: 5613

Curtis T. McMullen

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Rings, ideals, and modules; unique factorization domains, principal ideal domains and Euclidean domains and factorization of ideals in each; structure theorems for modules; fields, field extensions. Automorphism groups of fields are studied through the fundamental theorems of Galois theory.

Prerequisite: Mathematics 122.

Mathematics 124. Number Theory

Catalog Number: 2398

William A. Stein

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Factorization and the primes; congruences; quadratic residues and reciprocity; continued fractions and approximations; Pell's equation; selected Diophantine equations; theory of integral quadratic forms.

Prerequisite: Mathematics 122 (which may be taken concurrently) or equivalent.

Mathematics 126. Representation Theory and Applications

Catalog Number: 0369

David Kazhdan

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Representation theory of finite groups including character theory, induced representations, Frobenius reciprocity, and interesting applications.

Mathematics 128. Lie Algebras

Catalog Number: 6519

Shlomo Z. Sternberg

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

General structures of Lie algebras, Poincaré-Birkhoff-Witt theorem, Campbell Hausdorff formula, Levi decomposition classification of simple Lie algebras and their representations.

Mathematics 129. Topics in Number Theory

Catalog Number: 2345

Christophe Cornut

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Number fields, ideal class groups, Dirichlet unit theorem, zeta functions, with specific attention to cyclotomic fields.

Prerequisite: Mathematics 122 and 123.

Mathematics 131. Topology

Catalog Number: 2381



Barry C. Mazur

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Basic notions of point set topology such as continuity, compactness, metrizability. Algebraic topology including fundamental groups, covering spaces, and higher homotopy groups.

Applications to the theory of knots.

Prerequisite: Some acquaintance with metric space topology (Mathematics 25a,b, 55a,b, 101, or 112) and with groups (Mathematics 101 or 122).

Mathematics 134. Calculus on Manifolds

Catalog Number: 7150

Alexander Braverman

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Generalization of multivariable calculus to the setting of manifolds in real n -space, as used in the study of global analysis and geometry. Differentiable mappings of linear spaces, the inverse and implicit function theorems, differential forms, integration on manifolds, the general version of Stokes's theorem, integral geometry, applications.

Prerequisite: Mathematics 21a,b and familiarity with proofs as in Mathematics 101, 112, 121, or the equivalent.

Mathematics 135. Differential Topology

Catalog Number: 2107

Shing-Tung Yau

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Smooth manifolds, intersection theory, vector fields, Hopf degree theorem, Euler characteristic, De Rham theory.

Prerequisite: Mathematics 23a,b, 25a,b, 55a,b, or 134.

[Mathematics 136. Differential Geometry]

Catalog Number: 1949

Half course (fall term). Hours to be arranged.

Curves and surfaces in 3-space, Gaussian curvature and its intrinsic meaning, Gauss-Bonnet theorem, surfaces of constant curvature.

Note: Expected to be given in 2002–03.

Prerequisite: Mathematics 21a,b and familiarity with proofs as in Mathematics 101, 112, 121, or equivalent.

Mathematics 137. Algebraic Geometry

Catalog Number: 0556

Daniel Allcock

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Affine and projective spaces, plane curves, Bezout's theorem, singularities and genus of a plane curve, Riemann-Roch theorem.

Prerequisite: Mathematics 122, 123.



Mathematics 138. Classical Geometry

Catalog Number: 0162

Paul G. Bamberg

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

An introduction to spherical, Euclidean and hyperbolic geometry in two and three dimensions, with an emphasis on the similarities and differences between these flavors of geometry. The most important tool in analyzing these geometries will be a study of their symmetries; we will see how this leads naturally to basic notions in group theory and topology. Topics to be covered include the connection between hyperbolic geometry and special relativity and applications of symmetry groups to physics.

Prerequisite: Mathematics 21a,b.

[Mathematics 141. Introduction to Mathematical Logic]

Catalog Number: 0600

Half course (fall term). Hours to be arranged.

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 2002–03.

Prerequisite: Any mathematics course at the level of Mathematics 21a,b or higher, or permission of instructor.

Mathematics 144. Model Theory and Algebra

Catalog Number: 1258

Gerald E. Sacks

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to model theory with applications to theories of fields. First order languages, elementary monomorphisms, and the fundamental existence theorem. Model completeness of algebraically closed fields and elimination quantifiers for real closed fields. The Morley derivative and categoricity in power. Saturated structures. Existence and uniqueness of differential closure.

Note: Mathematics 123 suggested, but not required.

Mathematics 191. Mathematical Probability

Catalog Number: 4306

David Kazhdan

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

An introduction to probability theory. Discrete and continuous random variables; univariate and multivariate distributions; conditional probability. Weak and strong laws of large numbers and the central limit theorem. Elements of stochastic processes: the Poisson process, random walks, and Markov chains.

Prerequisite: Any mathematics course at the level of Mathematics 21a,b or higher.



Mathematics 192r. Algebraic Combinatorics

Catalog Number: 6612

James G. Propp (University of Wisconsin)

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

This course will enable students to be able to conduct original research in low-dimensional combinatorics. Methods taught will include recurrence relations (linear and non-linear), transfer matrices, and generating functions; topics include frieze patterns, number walls and tilings. There will be an emphasis on discovery and the use of computers.

Note: No prior knowledge of combinatorics is assumed, but familiarity with linear algebra 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

Philosophy 144. Logic and Philosophy

Primarily for Graduates

Mathematics 212a. Functions of a Real Variable

Catalog Number: 5446

Shlomo Z. Sternberg

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A review of measure and integration. Banach spaces, L^p spaces, and the Riesz representation theorem.

Prerequisite: Experience with courses involving rigorous proofs: e.g., Mathematics 25a,b, 112, 122.

Mathematics 212b. Functions of a Real Variable

Catalog Number: 7294

Shlomo Z. Sternberg

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Continuation of Mathematics 212a. Banach and Hilbert spaces. Self adjoint, normal operators and their functional calculus. Spectral theory. Integral and compact operators. Wavelets and other applications.

Prerequisite: Mathematics 212a.

Mathematics 213a. Functions of One Complex Variable

Catalog Number: 1621

Yum Tong Siu

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Fundamentals of complex analysis, and further topics such as elliptic functions, canonical products, conformal mapping, extremal length, harmonic measure, capacity, hyperbolic geometry, quasiconformal maps.

Prerequisite: Basic complex analysis, topology of covering spaces, differential forms.



Mathematics 213b. Further Topics in Classical Complex Analysis

Catalog Number: 2641

Yum Tong Siu

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Fundamentals of Riemann surfaces. Topics may include sheaves and cohomology, uniformization, moduli, several complex variables.

Mathematics 216. Topics in Harmonic Analysis and Geometric Measure Theory

Catalog Number: 1468

Tatiana Toro (University of Washington)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A study of how harmonic analysis, geometric measure theory and potential theory interact together to produce results concerning the regularity of free boundaries. The course will be self contained and therefore it will include a brief introduction to certain aspects of the 3 fields mentioned above.

Mathematics 219. The Analysis of the Kortweg-de Vries Equation

Catalog Number: 0546

Gigliola Staffilani (Stanford University)

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

The Kortweg-de Vries (KdV) equation is a typical dispersive equation. The guiding theme of the course will be the study of the following questions. How rough can an initial profile for the K-dV Cauchy problem be and still be able to claim well-posedness in an interval of time? What happens at time? Does the solution “blow-up” or can it be continued at all times?

Mathematics 230ar. Differential Geometry

Catalog Number: 0372

Shing-Tung Yau

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

A study of Riemannian manifolds, geodesics and curvature, and relations between curvature and topology. Also, a discussion of connections in principal bundles, spinors and Dirac operators, and the Bochner method.

Prerequisite: Math 131 and familiarity with smooth manifolds.

Mathematics 230br. Differential Geometry

Catalog Number: 0504

Shing-Tung Yau

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Topics in Riemannian geometry, Kähler geometry, Hodge theory, and Yang-Mills theory.

Note: Continuation of Mathematics 230ar.

Prerequisite: Differential Topology.

Mathematics 250a. Higher Algebra

Catalog Number: 4384

Noam D. Elkies

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7



Course introduces ubiquitous algebraic structures and their properties and discusses some of their diverse applications. Highlights of the first term: Galois theory; the Brauer theory of central simple algebras; and representation theory of finite groups.

Prerequisite: Mathematics 123 or equivalent.

Mathematics 250b. Higher Algebra

Catalog Number: 8464

Noam D. Elkies

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Continuation of Mathematics 250a. Main project will be the study of Lie groups, Lie algebras, and their finite-dimensional representations.

Mathematics 251x. Chiral Algebras

Catalog Number: 1035

David Kazhdan

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Invariant description of vertex algebras (Beilinson-Drinfeld). Chiral de Rham complex. (BD and Malikov, Schectman and Vaintrob.)

Mathematics 252x. Arithmetic of Elliptic Curves

Catalog Number: 6770

Barry C. Mazur

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Selected recent results concerning the arithmetic of elliptic curves and their L-functions, with relevant background material.

Prerequisite: Knowledge of basic algebraic number theory and the theory of algebraic curves, as well as some acquaintance with the cohomology of groups.

Mathematics 255r. Topics in Number Theory: Heights

Catalog Number: 0622

Matthew Baker

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An introduction to the theory of heights in arithmetic geometry, with an emphasis on problems related to lower bounds for heights. Discussions of heights of algebraic numbers, including Mahler measure, Lehmer's problem and Bilu's equidistribution theorem.

Mathematics 256. Theory of Error-Correcting Codes

Catalog Number: 5333

Noam D. Elkies

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Codes and linear codes, Hamming weight and distance, rates of transmission and reliability. Weight enumerators, dual code and the MacWilliams identity, Gleason's theorems and consequences. Construction and properties of the Reed-Muller, Reed-Solomon, BCH, and Golay codes. Good Goppa codes from curves with many points over finite fields. Connections with sphere packing and other topics as time permits.



Mathematics 258x. Analytic Methods for Diophantine Problems

Catalog Number: 8021

Trevor Wooley (University of Michigan)

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

An introduction to the Hardy-Littlewood (circle) method, concentrating on its applications to counting integral/rational solutions of diophantine problems.

Prerequisite: Elementary Fourier analysis and number theory.

Mathematics 259x. Topics in K-Theory and L-functions

Catalog Number: 6955

Fernando Rodriguez-Villegas (University of Texas, Austin)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An overview of the relations between K-theory, special values of L-functions and polylogarithms. A discussion of Borel's theorem for number fields and the conjectures of Bloch and Beilinson for elliptic curves, as well as the connection with the Mahler measure of polynomials.

Mathematics 260a. Introduction to Algebraic Geometry

Catalog Number: 7004

Mihnea Popa

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Introduction to complex algebraic varieties. Hodge theory. Curves, surfaces, moduli problems.

Prerequisite: Some familiarity with manifolds, differential forms and singular homology.

Mathematics 260b. Introduction to Algebraic Geometry

Catalog Number: 2745

Mihnea Popa

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Continuation of Mathematics 260a.

Prerequisite: Mathematics 260a.

Mathematics 262. Modular Forms

Catalog Number: 2368

Wilfried Schmid

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The analytic theory of modular forms and Maas forms, from both the classical and the representation-theoretic perspective. Topics include L-functions, functional equation, Euler products, converse theorems.

Mathematics 264. A Second Course in Algebraic Geometry

Catalog Number: 7235

Joseph D. Harris

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An introduction to some of the basic tools used in algebraic geometry. Topics include: Intersection theory and enumerative geometry; Schubert calculus; Chern and Segre classes; linearization; and parameter spaces.



Mathematics 266x. Algebraic D-modules

Catalog Number: 3590

Alexander Braverman

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

D-modules on affine space, Bernstein's inequality. Kashiwara's theorem, Fourier D-modules on general algebraic varieties, inverse and direct image, holonomic D-modules with regular singularities, introduction to Riemann-Hilbert correspondence.

Prerequisite: The second half of the course will assume the knowledge of basic geometry and homological algebra.

Mathematics 272a. Introduction to Algebraic Topology

Catalog Number: 1666

Peter B. Kronheimer

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

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 or permission of instructor.

Mathematics 272b. Introduction to Algebraic Topology

Catalog Number: 6502

Peter B. Kronheimer

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Vector bundles and characteristic classes. Bott periodicity. K-theory, cobordism and stable cohomotopy as examples of cohomology theories.

Prerequisite: Mathematics 272a.

Mathematics 275. Topics in Conformal Dynamics

Catalog Number: 5906

Curtis T. McMullen

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Advanced topics in complex dynamics, hyperbolic geometry, Kleinian groups and Teichmüller theory.

Mathematics 277x. Foliations and the Topology of 3-Manifolds

Catalog Number: 1294

Danny Calegari

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

A study of 2-dimensional foliations and laminations, mostly in the context of 3-manifold topology. The aim of the course is to give an exposition of some of these results which are not widely available.

Prerequisite: Prior coursework in 3-manifold topology and/or geometrization helpful, but not required.

Mathematics 278x. Progress Towards Geometrization

Catalog Number: 5916



Danny Calegari

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

A discussion of progress made towards the resolution of the geometrization conjecture in the last decade. Topics may include: resolution of the Seifert fiber space conjecture; homotopy hyperbolic 3 manifolds are hyperbolic; bounds on exceptional surgeries; and the orbifold theorem.

Prerequisite: A good basic background in 3-manifold topology. Some familiarity with the Thurston theory of 3-manifolds, such as might be obtained by reading “Thurston’s Notes.”

Graduate Courses of Reading and Research

***Mathematics 301. Theory and Practice of Teaching in the Mathematical Sciences**

Catalog Number: 4344

Daniel L. Goroff 7683

Half course (fall term). Hours to be arranged.

***Mathematics 308. Topics in Number Theory and Modular Forms**

Catalog Number: 0464

Benedict H. Gross 1112

***Mathematics 309. Topics in Dynamical Systems Theory**

Catalog Number: 0552

Daniel L. Goroff 7683

***Mathematics 311. Topics in Representation Theory**

Catalog Number: 0157

Stephen DeBacker 4110

***Mathematics 314. Topics in Differential Geometry and Mathematical Physics**

Catalog Number: 2743

Shlomo Z. Sternberg 1965 (on leave spring term)

***Mathematics 315. Topics in Number Theory**

Catalog Number: 3335

Christophe Cornut 4014 (on leave 2002-03)

***Mathematics 318. Topics in Number Theory**

Catalog Number: 7393

Barry C. Mazur 1975

***Mathematics 322. Topics in Representation Theory**

Catalog Number: 2962

Alexander Braverman 3630 (on leave spring term)



***Mathematics 323. Topics in Algebraic Geometry**

Catalog Number: 4659

Mihnea Popa 4015

***Mathematics 325. Topics in Mathematics**

Catalog Number: 5928

David Kazhdan 4668 (on leave 2002-03)

***Mathematics 327. Topics in Several Complex Variables**

Catalog Number: 0409

Yum Tong Siu 7550 (on leave 2002-03)

***Mathematics 331. Topics in Topology and Geometry**

Catalog Number: 7992

Nathan Dunfield 2311 (on leave 2001-02)

***Mathematics 333. Topics in Complex Analysis, Dynamics and Geometry**

Catalog Number: 9401

Curtis T. McMullen 3588

***Mathematics 335. Topics in Differential Geometry and Analysis**

Catalog Number: 5498

Clifford Taubes 1243

***Mathematics 337. Topics in Algebraic Geometry**

Catalog Number: 9000

Kalle Karu 2366

***Mathematics 341. Topics in Arithmetic Algebraic Geometry**

Catalog Number: 9365

Matthew Baker 3325

***Mathematics 345. Topics in Geometry and Topology**

Catalog Number: 4108

Peter B. Kronheimer 1759

***Mathematics 346. Topics in Deformation Theory**

Catalog Number: 8245

Dmitry Tamarkin 2463

***Mathematics 350. Topics in Mathematical Logic**

Catalog Number: 5151

Gerald E. Sacks 3862



***Mathematics 351. Topics in Algebraic Number Theory**

Catalog Number: 3492

Richard L. Taylor 1453 (on leave 2002-03)

***Mathematics 353. Topics in Lattices and Arithmetic Groups in Algebraic Geometry**

Catalog Number: 0570

Daniel Allcock 2186

***Mathematics 354. Topics in Number Theory**

Catalog Number: 1217

William A. Stein 4016

***Mathematics 356. Topics in Harmonic Analysis**

Catalog Number: 6534

Wilfried Schmid 5097 (on leave fall term)

***Mathematics 365. Topics in Differential Geometry**

Catalog Number: 4647

Shing-Tung Yau 1734

***Mathematics 367. Topics in Geometry and Partial Differential Equations**

Catalog Number: 9037

Albert Chau 4017

***Mathematics 374. Topics in Geometric Topology**

Catalog Number: 3971

Danny Calegari 3332

***Mathematics 382. Topics in Algebraic Geometry**

Catalog Number: 2037

Joseph D. Harris 2055

***Mathematics 389. Topics in Number Theory**

Catalog Number: 6851

Noam D. Elkies 2604

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 (*Medical School*) (*Chair*)
 Nancy Andrews, Associate Professor of Pediatrics (*Medical School*)
 Constance L. Cepko, Professor of Genetics (*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*)
 Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology
 Thomas O. Fox, Associate Professor of Neuroscience (*Medical School*) (*ex officio*)
 Edward E. Harlow, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Stephen C. Harrison, Higgins Professor of Biochemistry
 Peter M. Howley, George Fabyan Professor of Comparative Pathology (*Medical School*) (*ex officio*)
 Dennis L. Kasper, William Ellery Channing Professor of Medicine (*Medical School*) (*ex officio*)
 Elliott D. Kieff, Harriet Ryan Albee Professor of Medicine and Professor of Microbiology and Molecular Genetics (*Medical School*)
 Philip Leder, John Emory Andrus Professor of Genetics (*Medical School*)
 Hidde Ploegh, Mallinckrodt Professor of Immunopathology and Professor of Pathology (*Medical School & Affiliate member of MCB*)
 Joan V. Ruderman, Marion V. Nelson Professor of Cell Biology (*Medical School*)

Other Faculty Offering Instruction in the Division of Medical Sciences

Chester Alper, Professor of Pediatrics (*Medical School*)
 Frederick W. Alt, Charles A. Janeway Professor of Genetics (*Medical School*)
 Paul J. Anderson, Associate Professor of Medicine (*Medical School*)
 Spyros Artavanis-Tsakonas, Kurt J. Isselbacher/Peter D. Schwartz Professor of Oncology (*Medical School*)
 John A. Assad, Assistant Professor of Neurobiology (*Medical School*)
 Hugh Auchincloss, Professor of Surgery (*Medical School*)
 Dennis A. Ausiello, Jackson Professor of Clinical Medicine (*Medical School*)
 K. Frank Austen, Theodore Bevier Bayles Professor of Medicine (*Medical School*)
 Frederick Ausubel, Professor of Genetics (*Medical School*)
 Hamid Band, Associate Professor of Medicine (*Medical School*)
 Mark G. Baxter, Assistant Professor of Psychology (*on leave spring term*)
 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*)
 David R. Beier, Associate Professor of Medicine (*Medical School*)
 Welcome W. Bender, Harold T. White Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Francine M. Benes, Professor of Psychiatry (*Medical School*)



Gilles A. Benichou, Assistant Professor of Ophthalmology (*Medical School*)
Thomas L. Benjamin, Professor of Pathology (*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*)
Andre Bernards, Associate Professor of Medicine (*Medical School*)
Merton Bernfield, Clement A. Smith Professor of Pediatrics and Professor of Anatomy and Biology (*Medical School*)
Marla J. Berry, Associate Professor of Medicine (*Medical School*)
Stephen C. Blacklow, Assistant Professor of Pathology (*Medical School*)
T. Keith Blackwell, Associate Professor of Pathology (*Medical School*)
John Blenis, Professor of Cell Biology (*Medical School*)
Kurt J. Bloch, Professor of Medicine (*Medical School*)
Richard S. Blumberg, Associate Professor of Medicine (*Medical School*)
Azad Bonni, Assistant Professor of Pathology (*Medical School*)
Richard T. Born, Associate Professor of Neurobiology (*Medical School*)
Xandra O. Breakefield, Professor of Neurology (*Medical School*)
Michael B. Brenner, K. Frank Austen Professor of Medicine (*Medical School*)
Dennis Brown, Professor of Medicine (*Medical School*)
Robert H. Brown, Professor of Neurology (*Medical School*)
Joan S. Brugge, Professor of Cell Biology (*Medical School*)
Linda D. Buck, Associate Professor of Neurobiology (*Medical School*)
Stephen Buratowski, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Rami Burstein, Associate Professor of Neurobiology and Anaesthesia (*Medical School*)
Stephen Calderwood, Professor of Medicine (*Medical School*)
Stephen C. Cannon, Associate Professor of Neurology (*Medical School*)
Lewis C. Cantley, Professor of Cell Biology (*Medical School*)
Harvey Cantor, Professor of Pathology (*Medical School*)
William A. Carlezon, Assistant Professor of Psychiatry (*Medical School*)
Charles B. Carpenter, Professor of Medicine (*Medical School*)
Michael C. Carroll, Professor of Pediatrics (*Medical School*)
Dong Feng Chen, Assistant Professor of Ophthalmology (*Medical School*)
Lan Bo Chen, Professor of Pathology (*Medical School*)
Lynda Chin, Assistant Professor of Dermatology (*Medical School*)
George M. Church, Professor of Genetics (*Medical School*)
Karen M. Cichowski, Assistant Professor of Medicine (*Medical School*)
David E. Clapham, Professor of Neurobiology (*Medical School*)
Donald M. Coen, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Tucker Collins, Professor of Pathology (*Medical School*)
David P. Corey, Professor of Neurobiology (*Medical School*)
Gabriel Corfas, Assistant Professor of Neurology (*Medical School*)
Douglas Allen Cotanche, Associate Professor of Otolaryngology (*Medical School*)
Clyde S. Crumpacker II, Professor of Medicine (*Medical School*)
James M. Cunningham, Associate Professor of Medicine (*Medical School*)



Patricia A. D'Amore, Professor of Ophthalmology and Pathology (*Medical School*)
 Alan D. D'Andrea, Professor of Pediatrics (*Medical School*)
 John R. David, Professor of Medicine (*Medical School*) and Richard Pearson Strong Professor of Immunology and Infectious Diseases (*Public Health*)
 Charles R. Dearolf, Associate Professor of Pediatrics (Genetics) (*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*)
 William F. Dietrich, Associate Professor of Genetics (*Medical School*)
 Patricia K. Donahoe, Marshall K. Bartlett Professor of Surgery (*Medical School*)
 Martin E. Dorf, Professor of Pathology (*Medical School*)
 John E. Dowling, Harvard College Professor and Gordon and Llura Gund Professor of Neurosciences (*on leave fall term*)
 Ursula C. Dräger, Professor of Psychiatry (*Medical School*)
 Glenn Dranoff, Associate Professor of Medicine (*Medical School*)
 Thaddeus P. Dryja, Jr., David Glendenning Cogan Professor of Ophthalmology (*Medical School*)
 Catherine Dulac, Professor of Molecular and Cellular Biology
 Anindya Dutta, Associate Professor of Pathology (*Medical School*)
 Ann M. Dvorak, Professor of Pathology (*Medical School*)
 Susan M. Dymecki, Assistant Professor of Genetics (*Medical School*)
 Nicholas J. Dyson, Associate Professor of Medicine (*Medical School*)
 Michael J. Eck, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Elaine A. Elion, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Thomas E. Ellenberger, Hsien Wu and Daisy Yen Wu Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Joel K. Elmquist, Associate Professor of Neurology (*Medical School*)
 Alan M. Engelman, Associate Professor of Pathology (*Medical School*)
 Tamar L. Enoch, Associate Professor of Genetics (*Medical School*)
 Myron E. Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)
 R. Alan Ezekowitz, Charles Wilder Professor of Pediatrics (*Medical School*)
 Daniel D. Federman, Carl W. Walter Professor of Medicine and Medical Education (*Medical School*)
 Joyce D. Fingerhuth, Assistant Professor of Medicine (*Medical School*)
 Daniel Finley, Professor of Cell Biology (*Medical School*)
 David E. Fisher, Associate Professor of Pediatrics (*Medical School*)
 Mark C. Fishman, Professor of Medicine (*Medical School*)
 John G. Flanagan, Professor of Cell Biology (*Medical School*)
 William C. Forrester, Assistant Professor of Pathology (*Medical School*)
 Dan G. Fraenkel, Professor of Microbiology and Molecular Genetics (*Medical School*)
 David A. Frank, Assistant Professor of Medicine (*Medical School*)
 Christin A. Frederick, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Robert M. Friedlander, Associate Professor of Surgery (*Medical School*)
 Barbara C. Furie, Professor of Medicine (*Medical School*)



Bruce Furie, Professor of Medicine (*Medical School*)
 Dana Gabuzda, Associate Professor of Neurology (*Medical School*)
 Raif S. Geha, Prince Turki Bin Abdul Aziz Al-Saud Professor of Pediatrics (*Medical School*)
 Lee Gehrke, Professor of Health Sciences and Technology and MMG (*Medical School*)
 Katia Georgopoulos, Associate Professor of Dermatology (*Medical School*)
 John Gergely, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Grace Gill, Assistant Professor of Pathology (*Medical School*)
 D. Gary Gilliland, Associate Professor of Medicine (*Medical School*)
 Michael A. Gimbrone, Elsie T. Friedman Professor of Pathology (*Medical School*)
 Ilene K. Gipson, Professor of Ophthalmology (*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*)
 Irving H. Goldberg, Otto Kraymer Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Marcia Goldberg, Associate Professor of Medicine (Microbiology and Molecular Genetics) (*Medical School*)
 Anne E. Goldfeld, Associate Professor of Medicine (*Medical School*)
 Daniel A. Goodenough, Takeda Professor of Cell Biology (*Medical School*)
 Howard M. Goodman, Professor of Genetics (*Medical School*)
 Heinrich G.J. Gottlinger, Associate Professor of Pathology (*Medical School*)
 Howard Green, George Higginson Professor of Cell Biology (*Medical School*)
 Jeremy Green, Assistant Professor of Genetics (*Medical School*)
 Michael E. Greenberg, Professor of Neurobiology and Neurology (*Medical School*)
 Michael Grusby, Associate Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Public Health*)
 James Gusella, Bullard Professor of Neurogenetics (*Medical School*)
 Steven P. Gygi, Assistant Professor of Cell Biology (*Medical School*)
 Daniel A. Haber, Professor of Medicine (*Medical School*)
 David Hafler, Jack, Sadie, and David Breakstone Professor of Neurology (NSCI) (*Medical School*)
 Iswar K. Hariharan, Associate Professor of Medicine (*Medical School*)
 Donald A. Harn, Professor of Tropical Public Health (*Public Health*)
 Anne C. Hart, Assistant Professor of Pathology (*Medical School*)
 Elizabeth D. Hay, Louise Foote Pfeiffer Professor of Embryology (*Medical School*)
 Xi He, Assistant Professor of Neurology (*Medical School*)
 Zhigang He, Assistant Professor of Neurology (*Medical School*)
 Martin E. Hemler, Professor of Pathology (*Medical School*)
 Darren E. Higgins, Assistant Professor of Microbiology & Molecular Genetics (*Medical School*)
 Philip W. Hinds, Assistant Professor of Pathology (*Medical School*)
 Martin S. Hirsch, Professor of Medicine (*Medical School*) and Professor in the Department of Cancer Biology (*Public Health*)
 I-Cheng Ho, Assistant Professor of Medicine (*Medical School*)



Ann Hochschild, Professor of Microbiology and Molecular Genetics (*Medical School*)
James M. Hogle, Edward S. Harkness Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Victor Wee Hsu, Assistant Professor of Medicine (*Medical School*)
Bradley T. Hyman, Professor of Neurology (*Medical School*)
John J. Iacomini, Assistant Professor of Surgery (*Medical School*)
Donald E. Ingber, Professor of Pathology (*Medical School*)
Ole S. Isacson, Associate Professor of Neurology (*Medical School*)
Rakesh K. Jain, A. Werk Cook Professor of Radiation Oncology (*Medical School*)
Farish A. Jenkins, Jr., Professor of Biology (*FAS*) and Professor of Anatomy in the Harvard-MIT Division of Health Sciences and Technology (*Medical School*) (*on leave spring term*)
Frances E. Jensen, Associate Professor of Neurology (*Medical School*)
Robert P. Johnson, Associate Professor of Medicine (*Medical School*)
Jae Ung Jung, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
C. Ronald Kahn, Mary K. Iacocca Professor of Medicine (*Medical School*)
Lee M. Kaplan, Assistant Professor of Medicine (*Medical School*)
Morris J. Karnovsky, Shattuck Professor of Pathological Anatomy (*Medical School*)
Howard R. Katz, Associate Professor of Medicine (*Medical School*)
Kenneth M. Kaye, Assistant Professor of Medicine (*Medical School*)
Andrius Kazlauskas, Associate Professor of Ophthalmology (*Medical School*)
Mark T. Keating, Professor of Cell Biology and Pediatrics (*Medical School*)
Vicki R. Kelley, Associate Professor of Medicine (*Medical School*)
Roya Khosravi-Far, Assistant Professor of Pathology (*Medical School*)
Kwang-Soo Kim, Associate Professor of Psychiatry (*Medical School*)
Jean-Pierre Kinet, Professor of Pathology (*Medical School*)
Randy King, Assistant Professor of Cell Biology (*Medical School*)
Robert E. Kingston, Professor of Genetics (*Medical School*)
Tomas Kirchhausen, Professor of Cell Biology (*Medical School*)
Marc W. Kirschner, Carl Walter Professor of Cell Biology (*Medical School*)
Michael Klagsbrun, Professor of Surgery (*Medical School*)
Nancy Kleckner, Herchel Smith Professor of Molecular Biology
David M. Knipe, Higgins Professor of Microbiology and Molecular Genetics (*Medical School*)
Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
Christine L. Konradi, Assistant Professor of Psychiatry (*Medical School*)
Bruce R. Korf, Associate Professor of Neurology (*Medical School*)
Walter J. Koroshetz, Associate Professor of Medicine and Assistant Professor of Neurology (*Medical School*)
Stanley J. Korsmeyer, Sidney Farber Professor of Pathology (*Medical School*)
Kenneth S. Kosik, Professor of Neurology (*Medical School*)
Barry E. Kosofsky, Associate Professor of Neurology (*Medical School*)
Edward A. Kravitz, George Packer Berry Professor of Neurobiology (*Medical School*)
Jordan A. Kreidberg, Assistant Professor of Pediatrics (*Medical School*)
Vijay K. Kuchroo, Associate Professor of Neurology (*Medical School*)
Louis M. Kunkel, Professor of Genetics and Professor of Pediatrics (*Medical School*)
David J. Kwiatkowski, Associate Professor of Medicine (*Medical School*)
Andrew A. Lackner, Associate Professor of Pathology (*Medical School*)



Lois A. Lampson, Associate Professor of Surgery (*Medical School*)
Peter T. Lansbury, Associate Professor of Neurology (*Medical School*)
Andrew B. Lassar, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Claude P. Lechene, Visiting Professor of Medicine (*Medical School*)
Catherine A. Lee, Silas Arnold Houghton Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
Jeannie T. Lee, Associate Professor of Genetics (*Medical School*)
Tun-Hou Lee, Professor of Virology (*Public Health*)
Norman Letvin, Professor of Medicine (*Medical School*)
Rong Li, Associate Professor of Cell Biology (*Medical School*)
M. Charles Liberman, Professor of Otology and Laryngology (*Medical School*)
Towia A. Libermann, Professor of Medicine (*Medical School*)
Andrew H. Lichtman, Associate Professor of Pathology (*Medical School*)
Judy Lieberman, Associate Professor of Pediatrics (*Medical School*)
Edmund C. C. Lin, Professor of Microbiology and Molecular Genetics (*Medical School*)
David M. Livingston, Emil Frei Professor of Medicine (*Medical School*)
Margaret S. Livingstone, Professor of Neurobiology (*Medical School*)
Eng H. Lo, Associate Professor of Radiology (*Medical School*)
Mary R. Loeken, Assistant Professor of Medicine (*Medical School*)
A. Thomas Look, Professor of Pediatrics (*Medical School*)
David N. Louis, Associate Professor of Pathology (*Medical School*)
Kun Ping Lu, Associate Professor of Medicine (*Medical School*)
Francis W. Luscinskas, Associate Professor of Pathology (*Medical School*)
Andrew D. Luster, Associate Professor of Medicine (*Medical School*)
Samuel E. Lux IV, Robert A. Stranahan Professor of Pediatrics (*Medical School*)
Qiufu Ma, Assistant Professor of Neurobiology (*Medical School*)
Richard L. Maas, Associate Professor of Medicine (*Medical School*)
Marcy E. MacDonald, Associate Professor of Neurology (*Medical School*)
Jeffrey D. Macklis, Associate Professor of Neurology (*Medical School*)
Joseph A. Majzoub, Associate Professor of Pediatrics and Medicine (*Medical School*)
Clint L. Makino, Assistant Professor of Ophthalmology (*Medical School*)
Jarema Malicki, Assistant Professor of Ophthalmology (Genetics) (*Medical School*)
Richard H. Masland, Charles Anthony Pappas Professor of Neuroscience (*Medical School*)
Diane J. Mathis, Professor of Medicine (*Medical School*)
Peter McCaffery, Assistant Professor of Psychiatry (*Medical School*)
Andrea I. McClatchey, Assistant 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, Higgins Professor of Microbiology and Molecular Genetics (*Medical School*)
Mark Mercola, Associate Professor of Cell Biology (*Medical School*)
Arthur M. Mercurio, Associate Professor of Medicine (*Medical School*)
Matthew L. Meyerson, Assistant Professor of Pathology (*Medical School*)
Alan M. Michelson, Associate Professor of Medicine (*Medical School*)
Jeffrey B. Miller, Associate Professor of Neurology (*Medical School*)
Keith W. Miller, Mallinckrodt Professor of Pharmacology (*Medical School*)



Timothy J. Mitchison, Hasib Sabbagh Professor of Cell Biology (*Medical School*)
 Danesh Moazed, Assistant Professor of Cell Biology (*Medical School*)
 Donald K. Morisato, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Cynthia C. Morton, Professor of Pathology and William Lambert Richards Professor of Obstetrics, Gynecology, and Reproductive Biology (*Medical School*)
 Edmund A. Mroz, Jr., Associate Professor of Physiology (*Medical School*)
 Richard C. Mulligan, Mallinckrodt Professor of Genetics (*Medical School*)
 Karl Munger, Associate Professor of Pathology (*Medical School*)
 Venkatesh N. Murthy, Assistant Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences
 Lee M. Nadler, Professor of Medicine (*Medical School*)
 Cathryn R. Nagler-Anderson, Associate Professor of Pediatrics (*Medical School*)
 Benjamin Neel, Professor of Medicine (*Medical School*)
 Rachael L. Neve, Associate Professor of Psychiatry (*Medical School*)
 Max L. Nibert, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
 Anne Nicholson-Weller, Professor of Medicine (*Medical School*)
 Marjorie A. Oettinger, Associate Professor of Genetics (*Medical School*)
 Bjørn R. Olsen, Harvard-Forsyth Professor of Oral Biology and Hersey Professor of Cell Biology (*Dental School, Medical School*)
 Stuart H. Orkin, Leland Fikes Professor of Pediatric Medicine (*Medical School*)
 Christina M. Parker, Assistant Professor of Medicine (*Medical School*)
 Jeffrey D. Parvin, Associate Professor of Pathology (*Medical School*)
 David L. Paul, Professor of Neurobiology (*Medical School*)
 Henry P. Paulus, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Michael Pazin, Assistant Professor of Dermatology (*Medical School*)
 David Pellman, Associate Professor of Pediatrics (*Medical School*)
 Lizabeth A. Perkins, Assistant Professor of Surgery (Genetics) (*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*)
 Kornelia Polyak, Assistant Professor of Medicine (*Medical School*)
 Scott L. Pomeroy, Associate Professor of Neurology (*Medical School*)
 Laurel A. Raftery, Assistant Professor of Dermatology (*Medical School*)
 Robert R. Rando, Gustavus Adolphus Pfeiffer Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Anjana Rao, Professor of Pathology (*Medical School*)
 Tom Rapoport, Professor of Cell Biology (*Medical School*)
 Rajiv R. Ratan, Associate Professor of Neurology (*Medical School*)
 Gary A. Rathbun, Assistant Professor of Pediatrics (*Medical School*)
 Elio Raviola, Bullard Professor of Neurobiology and Professor of Ophthalmology (*Medical School*)
 Robin Reed, Professor of Cell Biology (*Medical School*)
 Wade G. Regehr, Professor of Neurobiology (*Medical School*)
 R. Clay Reid, Associate 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*)
Barrett J. Rollins, Associate Professor of Medicine (*Medical School*)
Fred S. Rosen, James L. Gamble Professor of Pediatrics (*Medical School*)
Paul A. Rosenberg, Associate Professor of Neurology (*Medical School*)
Michael Rosenblatt, Ebert Professor of Molecular Medicine (*Medical School*)
Nadia Rosenthal, Associate Professor of Medicine (*Medical School*)
Andre Rosowsky, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Frederick P. Roth, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
David H. Rowitch, Assistant Professor of Pediatrics (*Medical School*)
Robert H. Rubin, Gordon and Marjorie Osborn Professor of Health Sciences and Technology, Professor of Medicine (*Medical School*)
Christopher E. Rudd, Associate Professor of Pathology (*Medical School*)
Ruth M. Ruprecht, Professor of Medicine (*Medical School*)
Gary B. Ruvkun, Professor of Genetics (*Medical School*)
David H. Sachs, Paul S. Russell/Warner Lambert Professor of Surgery (*Medical School*)
Haruo Saito, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Clifford B. Saper, James Jackson Putnam Professor of Neurology (*Medical School*)
David T. Scadden, Associate Professor of Medicine (*Medical School*)
Priscilla A. Schaffer, Professor of Medicine (*Medical School*)
Robert H. Schiestl, Associate Professor of Toxicology (*Public Health*)
Stuart F. Schlossman, Baruj Benacerraf Professor of Medicine (*Medical School*)
Bruce J. Schnapp, Associate Professor of Cell Biology (*Medical School*)
Stuart L. Schreiber, Morris Loeb Professor of Chemistry and Chemical Biology
Thomas M. Schultheiss, Assistant Professor of Medicine (*Medical School*)
Peter H. Schur, Professor of Medicine (*Medical School*)
Thomas L. Schwarz, Professor of Neurology and Neurobiology (*Medical School*)
Brian Seed, Professor of Genetics (*Medical School*)
Rosalind A. Segal, Assistant Professor of Neurology (*Medical School*)
Christine E. Seidman, Professor of Medicine, Professor of Genetics (*Medical School*)
Jonathan G. Seidman, Henrietta B. and Frederick H. Bugher Foundation Professor of Genetics (*Medical School*)
Dennis J. Selkoe, Professor of Neurology (*Medical School*)
Charles N. Serhan, Professor of Anaesthesia (*Medical School*)
Jeffrey E. Settleman, Associate Professor of Medicine (*Medical School*)
William F. Sewell, Associate Professor of Otology and Laryngology (*Medical School*)
Arlene H. Sharpe, Associate Professor of Pathology (*Medical School*)
Carla J. Shatz, Nathan Marsh Pusey Professor of Neurobiology (*Medical School*)
Jen Sheen, Associate Professor of Genetics (*Medical School*)
Jie Shen, Assistant Professor of Neurology (*Medical School*)
Yang Shi, Associate Professor of Pathology (*Medical School*)
Steven E. Shoelson, Associate Professor of Medicine (*Medical School*)
Piotr Sicinski, Assistant Professor of Pathology (*Medical School*)



Pamela A. Silver, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Gary A. Silverman, Associate Professor of Pediatrics (*Medical School*)
David A. Sinclair, Assistant Professor of Pathology (*Medical School*)
Jeffrey L. Sklar, Professor of Pathology (*Medical School*)
D. Max Snodderly, Associate Professor of Ophthalmology (*Medical School*)
Joseph G. Sodroski, Professor of Pathology (*Medical School*) and Professor of Cancer Biology (*Public Health*)
Sergei Y. Sokol, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
Bruce M. Spiegelman, Professor of Cell Biology (*Medical School*)
Robert G. Spiro, Professor of Biological Chemistry (*Medical School*)
Timothy A. Springer, Latham Family Professor of Pathology (*Medical School*)
Ivan Stamenkovic, Associate Professor of Pathology (*Medical School*)
Michael Starnbach, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
Thilo Stehle, Assistant Professor of Pediatrics (*Medical School*)
Richard L. Stevens, Associate Professor of Medicine (*Medical School*)
Charles D. Stiles, Professor of Microbiology and Molecular Genetics (*Medical School*)
Thomas P. Stossel, Professor of Medicine (*Medical School*)
J. Wayne Streilein, Charles L. Schepens Professor of Ophthalmology (*Medical School*)
Michel A. Streuli, Associate Professor of Pathology (*Medical School*)
Gary R. Strichartz, Professor of Anaesthesia (*Medical School*)
Jack L. Strominger, Higgins Professor of Biochemistry
Kevin Struhl, David Wesley Gaiser Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Kathleen J. Sweadner, Associate Professor of Cellular and Molecular Physiology in the Department of Surgery (*Medical School*)
Megan Sykes, Professor of Surgery (*Medical School*)
Jack Szostak, Professor of Genetics (*Medical School*)
Clifford J. Tabin, Professor of Genetics (*Medical School*)
Armen H. Tashjian, Jr., Professor of Toxicology, *emeritus* (*Public Health*) and Professor of Biological Chemistry and Molecular Pharmacology (*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*)
Stefan Thor, Assistant Professor of Neurobiology (*Medical School*)
Nicholas L. Tilney, Francis D. Moore Professor of Surgery (*Medical School*)
Li-Huei Tsai, Associate Professor of Pathology (*Medical School*)
Sander Van Den Heuvel, Assistant Professor of Medicine (*Medical School*)
Richard A. Van Etten, Associate Professor of Genetics (*Medical School*)
David L. Van Vactor, Associate Professor of Cell Biology (*Medical School*)
Timothy K. Vartanian, Assistant Professor of Neurology (*Medical School*)
Marc Vidal, Assistant Professor of Genetics (*Medical School*)
Ulrich H. Von Andrian-Werburg, Associate Professor of Pathology (*Medical School*)
Harald Von Boehmer, Professor of Pathology (*Medical School*)
Denisa D. Wagner, Professor of Pathology (*Medical School*)



Gerhard Wagner, Elkan Blout Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Bruce D. Walker, Professor of Medicine (*Medical School*)

W. Allan Walker, Conrad Taff Professor of Nutrition and Pediatrics (*Medical School*) and Professor in the Department of Nutrition (*Public Health*)

Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Christopher A. Walsh, Bullard Professor of Neurology (*Medical School*)

Johannes Walter, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Thomas Walz, Assistant Professor of Cell Biology (*Medical School*)

Frederick C. Wang, Associate Professor of Medicine (*Medical School*)

Charles J. Weitz, Associate Professor of Neurobiology (*Medical School*)

Peter F. Weller, Professor of Medicine (*Medical School*)

Marianne Wessling-Resnick, Professor of Nutrition (*Public Health, Medical School*)

Kristin White, Assistant Professor of Dermatology (*Medical School*)

Morris F. White, Associate Professor of Biochemistry (*Medical School*)

Malcolm Whitman, Associate Professor of Cell Biology (*Medical School*)

Don C. Wiley, John L. Loeb Professor of Biochemistry and Biophysics, Tutor in Biochemical Sciences (*on leave 2001-02*)

Louise E. Wilkins-Haug, Assistant Professor of Obstetrics, Gynecology, and Reproductive Biology (*Medical School*)

Thomas H. Wilson, Professor of Cell Biology (*Medical School*)

Fred Winston, Professor of Genetics (*Medical School*)

Dyann F. Wirth, Professor of Tropical Public Health (*Public Health*)

Clifford Woolf, Richard J. Kitz Professor of Anaesthesia (*Medical School*)

Chao-Ting Wu, Assistant Professor of Genetics (*Medical School*)

Kai Wucherpfennig, Associate Professor of Neurology (*Medical School*)

Bruce Yankner, Associate Professor of Neurology (*Medical School*)

Gary I. Yellen, Professor of Neurobiology (*Medical School*)

Anne B. Young, Julieanne Dorn Professor of Neurology (*Medical School*)

Junying Yuan, Professor of Cell Biology (*Medical School*)

Edmund J. Yunis, Professor of Pathology (*Medical School*)

Bruce R. Zetter, Professor of Surgery (*Medical School*)

Jing Zhou, Associate Professor of Medicine (*Medical School*)

Leonard I. Zon, Professor of Pediatrics (*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, physiology, genetics, immunology, microbiology and molecular genetics, neurosciences, pathology, 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.



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: Biological Chemistry and Molecular Pharmacology (BCMP); Cell Biology; Genetics; Microbiology and Molecular Genetics; and Pathology. In addition, selected faculty located within area hospitals and institutions are members of BBS.

Graduate Courses of Reading and Research

***BBS 300. BBS Seminar**

Catalog Number: 8771

Clifford J. Tabin (Medical School) 2430, Patricia A. D'Amore (Medical School) 1168, Robert E. Kingston (Medical School) 1153, and Fred Winston (Medical School) 7877

This seminar is designed to help students learn presentation skills. Each student in their fourth year will be required to give a 20 minute talk to other fourth year students and selected faculty. The talk will be based upon the research in the student's thesis lab (ie. a "lab" talk, not necessarily the student's own research.) The course faculty will help in the preparation of the talk and will give feedback following the talk. Students must register for this course by their fifth year.

***BBS 333r. Introduction to Research in Biological and Biomedical Sciences**

Catalog Number: 1206

Constance L. Cepko (Medical School) 1150

Note: BBS students register for lab rotations under this course number.

***BBS 380. Reading and Research in Biological and Biomedical Sciences**

Catalog Number: 0349

Constance L. Cepko (Medical School) 1150

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

*Stephen Buratowski (Medical School), David E. Fisher (Medical School), Marla J. Berry (Medical School), Anindya Dutta (Medical School), Alan M. Engelman (Medical School), and Johannes Walter (Medical School)**Half course (fall term). M., W., F., 10:30–12.*

An advanced treatment of the Central Dogma of molecular biology. The course will consider the molecular basis of genetic information transfer from DNA to RNA to protein, using current examples from eukaryotic and prokaryotic systems. Topics include DNA and chromatin structure, replication, DNA repair, genome stability and plasticity, transcription, post-transcriptional RNA processing, translation, and post-translational regulation. Lectures and discussion sessions will emphasize experimental techniques and primary literature readings.

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

*Thomas E. Ellenberger (Medical School), Stephen C. Blacklow (Medical School), Stephen C. Harrison, and Christopher T. Walsh (Medical School)**Half course (spring term). Tu., Th., 9:30–11, W., 4:30–6.*

Advanced coverage of contemporary topics in protein biochemistry with emphasis on the interrelated roles of protein structure, catalytic activity, and macromolecular interactions in biological processes. Topics include the analysis of protein sequence information and three dimensional structures of proteins, protein folding and conformational changes that control biological activity, the regulated assembly and disassembly of macromolecular complexes, the structural basis for enzymatic catalysis, fidelity and proofreading mechanisms, energy transduction, and the generation of force by proteins.

Note: Offered jointly with the Medical School as BP714.0*Prerequisite:* Knowledge of introductory general biochemistry, elementary physical chemistry, and molecular genetics required.***BCMP 205. Principles of Pharmacology**

Catalog Number: 1737

*David E. Golan (Medical School) and members of the Department**Half course (spring term). M., through F., 8:30–12. First class meets 2/08/02, class ends 3/8/02.*

Intensive introduction to pharmacology, emphasizing basic mechanisms of drug action and principles of drug-receptor interactions, pharmacokinetics, and drug metabolism. Drug classes illustrated using prototypic drugs. Examples drawn from autonomic nervous system, cardiovascular, and central nervous system pharmacology; autacoids and chemotherapeutic agents also considered.

Note: Offered jointly with the Medical School as IN 705.0. Ten hours of lecture, four hours of conference, and four hours of tutorial per week. Permission of both the course director and the Medical School Registrar is required.*Prerequisite:* Introductory biochemistry and physiology preferred but not required.



BCMP 207. Molecular Approaches to Drug Action, Discovery, and Design

Catalog Number: 0529 Enrollment: May be limited.

Donald M. Coen (Medical School), David E. Golan (Medical School), James M. Hogle (Medical School), Christopher T. Walsh (Medical School), Morris F. White (Medical School) and Associates

Half course (spring term). Tu., Th., 3:30–5:30.

Explores how molecular biology, structural biology, and modern enzymology have revolutionized understanding of selective drug action and development of new therapies.

Analyzes molecular underpinnings of basic pharmacological principles. Examples drawn primarily from pathways central to molecular biology such as signal transduction, DNA replication, and gene expression with application to diseases including cancer, diabetes, and AIDS.

Note: Offered jointly with the Medical School as BP 715.0. Intended primarily for graduate students.

BCMP 210. Theory and Practice of Techniques in Molecular Biology

Catalog Number: 1230

Welcome W. Bender (Medical School), Donald K. Morisato (Medical School), and Stanley Tabor (Medical School)

Half course (fall term). M., 2–4, W., 2–5, F., 2–4.

Reviews the principles of common lab techniques, and discusses recent innovations. A variety of procedures will be tested experimentally. Topics include separation techniques for nucleic acids and proteins, polymerase reactions, nucleic acid reassociations, and immunological detection.

Course format includes lecture, lab experiments, and discussions.

Note: Offered jointly with the Medical School as BP 725.0.

Prerequisite: Exposure to molecular techniques will be assumed.

***BCMP 213. Behavioral Pharmacology**

Catalog Number: 4782 Enrollment: Limited to 15.

Jack Bergman (Medical School), Carol A. Paronis (Medical School) and associates

Half course (spring term). Tu., Th., 3:30–5.

Introduction to CNS pharmacology and behavior. Effects of psychomotor stimulants, antischizophrenics, opioid analgesics, and antianxiety agents on behavior. Emphasis on methodology, pharmacological analysis, and drug dependence; attention to tolerance, withdrawal, and self-administration of drugs.

Note: Offered jointly with the Medical School as BP 719.0.

[BCMP 228. Macromolecular Crystallography and NMR]

Catalog Number: 3969

Gerhard Wagner (Medical School) and James M. Hogle (Medical School)

Half course (fall term). Hours to be arranged.

Theory and practice of modern methods of structural analysis: model building of proteins and DNA, growing protein crystals, making a heavy atom derivative, taking X-ray precession photographs, solving a protein structure; setup of 2D NMR experiments, spectral assignment distance geometry, and other modeling programs on graphics workstations. The two parts of this course, Macromolecular Crystallography and Macromolecular NMR, can be taken together as a



half course, or individually as a quarter course under BCMP 370.

Note: Expected to be given in 2002–03. Contact instructor at 432-3213. Offered in alternate years. Offered jointly with the Medical School as BP 722.0.

BCMP 230. Principles and Practice of Drug Development

Catalog Number: 1295

Robert H. Rubin (Medical School)

Half course (fall term). Th., 3–6.

Critical assessment of the major issues and stages of developing a pharmaceutical or biopharmaceutical. Drug discovery, preclinical development, clinical investigation, manufacturing and regulatory issues considered for small and large molecules. Economic considerations of the drug development process. Multidisciplinary perspective from faculty from clinical, life, and management sciences and industry guests.

Note: Offered jointly with the Medical School as HT920.

BCMP 231 (formerly Genetics 212). Biology of Yeasts: Cell Proliferation and Differentiation

Catalog Number: 3476

Elaine A. Elion (Medical School)

Half course (spring term). W., 1:30–4:30.

This course will consider topics such as cell cycle control, determination of cell identity and cell morphology from the perspective of studies using yeasts as the experimental organism. We will concentrate on examining how scientific problems can be studied in these simple eukaryotes using genetic methods. Primary research papers will be discussed and critically evaluated. The two parts of this course can be taken together as a half course, or individually as quarter courses under BCMP 370. The first quarter will consider determination of cell identity and control of cell differentiation; the second quarter will consider cell cycle control and morphogenesis.

Note: Offered jointly with the Medical School as BP 726.0.

Prerequisite: Genetics 201 or equivalent. May be taken concurrently.

Graduate Courses of Reading and Research

***BCMP 300. Enzyme Mechanisms**

Catalog Number: 1867

Christopher T. Walsh (Medical School) 2036

***BCMP 304. Selenoproteins and Translational Control of Gene Expression**

Catalog Number: 2268

Marla J. Berry (Medical School) 2061

***BCMP 305. Mechanisms of Visual Transduction and Adaptation and Biochemical Mechanisms of Drug Action**

Catalog Number: 0834

Robert R. Rando (Medical School) 4125



***BCMP 307. Hormone Receptor Interaction in Bone Biology**

Catalog Number: 3484

Michael Rosenblatt (Medical School) 1138

***BCMP 308. Blood Coagulation and Vascular Biology**

Catalog Number: 3950

Bruce Furie (Medical School) 3937

***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 3597

***BCMP 312. Molecular Mechanisms of DNA Damage and Repair and Mutagenesis**

Catalog Number: 0828

Irving H. Goldberg (Medical School) 3677

***BCMP 313. To Explore the Molecular Pathways Underlying Melanoma Genesis Progression and Maintenance by Combining Approaches in Functional Genomics and Mouse Genetics.**

Catalog Number: 1632

Lynda Chin (Medical School) 3931

***BCMP 315. Growth Factor Structure and Biological Activity**

Catalog Number: 6034

Michael Klagsbrun (Medical School) 3167

***BCMP 316. Design and Synthesis of Novel Folic Acid Antagonists and Nucleotide Analogs as Anticancer and Antiviral Agents**

Catalog Number: 0857

Andre Rosowsky (Medical School) 3527

***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 320. Cell Biology of Eukaryotes**

Catalog Number: 0265

Pamela A. Silver (Medical School) 1595

***BCMP 321. Structure and Function of DNA Replication and Repair Proteins**

Catalog Number: 7298

Thomas E. Ellenberger (Medical School) 1643

***BCMP 323. Biochemistry of Muscle Contraction**

Catalog Number: 2794

John Gergely (Medical School) 2477

***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 326. Molecular Mechanisms of Drosophila Development**

Catalog Number: 1248

Donald K. Morisato (Medical School) 1803

***BCMP 329. Structure Biology of Cytoplasmic Signal Transduction**

Catalog Number: 5005

Michael J. Eck (Medical School) 1739

***BCMP 332. Structural Neurology**

Catalog Number: 0276

Peter T. Lansbury (Medical School) 2115

***BCMP 333. Regulation of Biosynthetic Processes**

Catalog Number: 4876

Henry P. Paulus (Medical School) 1205

***BCMP 335. Biochemical and Genetic Analysis of Eukaryotic Gene Expression**

Catalog Number: 8052

Stephen Buratowski (Medical School) 1790

***BCMP 336. Structure, Function, and Assembly of Glycoprotein Components of Biomembranes**

Catalog Number: 1726

Robert G. Spiro (Medical School) 2493



***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, Medical School) 1315

***BCMP 341. Electron Paramagnetic Resonance Spectroscopy**

Catalog Number: 0837

Keith W. Miller (Medical School) 4124

***BCMP 342. Signal Transduction in Eukaryotic Cells**

Catalog Number: 4557

Haruo Saito (Medical School) 2028

***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 346. Lipid Mediators in Cell Signalling**

Catalog Number: 8258

Charles N. Serhan (Medical School) 3163

***BCMP 347. Structural Analysis of Viruses and Receptors**

Catalog Number: 5105

Thilo Stehle (Medical School) 4990

***BCMP 351. Molecular and Cellular Endocrinology**

Catalog Number: 0208

Armen H. Tashjian, Jr. (Medical School) 2071

***BCMP 356. Solution Structures of Proteins by NMR Spectroscopy**

Catalog Number: 8093

Gerhard Wagner (Medical School) 2626



***BCMP 357. Problems in Nucleic Acid and Nucleic Acid/Protein Crystallography**

Catalog Number: 6132

Christin A. Frederick (Medical School) 2614

***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 370. Advanced Topics in Biological Chemistry and Molecular Pharmacology**

Catalog Number: 0482

Donald K. Morisato (Medical School) 1803 and James M. Hogle (Medical School) 2943

A series of reading and discussion seminars, each running for a half semester (7 weeks). Two seminars, which can be taken in different semesters, 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 432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***BCMP 371. Characterization of Eukaryotic Replication Initiation Factors. Initiation of Eukaryotic DNA Replication: A Biochemical Analysis**

Catalog Number: 3739

Johannes Walter (Medical School) 3846

***BCMP 372. Methods and Applications in Computational Molecular Biology**

Catalog Number: 1638

Frederick P. Roth (Medical School) 3912

***BCMP 373. Blood Coagulation and Vascular Biology**

Catalog Number: 5747

Barbara C. Furie (Medical School) 3936

**Cross-Listed Courses****Biophysics 101. Genomics and Computational Biology****Cell Biology****Primarily for Graduates****Cell Biology 201. Molecular Biology of the Cell**

Catalog Number: 1044

*Rong Li (Medical School), Tom Rapaport (Medical School), Joan Ruderman (Medical School), Timothy J. Mitchison (Medical School), and John Blenis (Medical School).**Half course (spring term). M., W., at 10:30-12; plus sections F. at 10:30-12.*

Current concepts in Cell Biology and Biochemistry, with emphasis on experimental approaches. Topics include the molecular basis of cellular compartmentalization, protein trafficking, cytoskeleton dynamics, mitosis, cell locomotion, cell cycle regulation, signal transduction, and the cellular/biochemical basis of diseases. The course will also cover various methods, such as protein purification, sequencing, analysis of protein-protein interactions, and microscopy methods.

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.

*Mark Mercola (Medical School), John G. Flanagan (Medical School), Andrew B. Lassar (Medical School), Thomas M. Schultheiss (Medical School), Sergei Y. Sokol (Medical School), Clifford J. Tabin (Medical School), and Malcolm Whitman (Medical School)**Half course (spring term). Tu., Th., 2–4.*

This course analyzes the developmental programs of frog, chick, and mouse embryos with emphasis on experimental strategies for understanding the responsible molecular mechanisms. Principal focus of the course is the establishment of the body plan and the formation of selected organs. Specific topics include developmental anatomy of early embryos, primary axis formation and regional specification, formation of the nervous system, establishment of cell fate, homeotic genes and the control of pattern, cell migration and cell-cell signalling, stem cell potency and development of muscle, cartilage, heart, reproductive system and limbs. The course includes lectures and conference sessions in which original literature will be discussed in depth. Short research proposals will be required in lieu of exams.

Note: Offered jointly with the Medical School as CB 710.0.**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 basic mechanisms of cell growth and the processes that lead to cancer. Emphasizes the molecular basis of cancer including alterations in signal transduction, cell cycle, apoptosis,



transcription, and DNA repair. Focuses on how oncogenes, tumor suppressors, and oncogenic viruses affect normal cell growth and 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 211b. Growth Factors and Signal Transduction]

Catalog Number: 4169 Enrollment: Limited to 30.

Charles D. Stiles (Medical School), Alan D. D'Andrea (Medical School), and Thomas M. Roberts (Medical School)

Half course (fall term). Hours to be arranged.

The course is divided into three instruction blocks. The first block covers history, chemistry and biology of the major growth factor families and their receptors including the hematopoietic growth factors. The second block teaches basic principles in growth factor receptor activation and signal transduction. The Ras/Raf/MAP kinase cascade and the JAK/STAT signaling pathways are used as teaching vehicles. The third instruction block is entitled "Variations on the Themes and a Look Ahead." The content of this block will change as the field unfolds. Most recently (Fall of '00), this block featured one lecture "snapshots" of nitric oxide signaling, TGF-beta receptor signaling, Eph family receptors and their ligands, tyrosine phosphatases, Notch/Delta, Wnt and Patched signaling pathways.

Note: Expected to be given in 2002–03. Given in alternate years. Offered jointly with the medical school as CB 705.0.

Prerequisite: BCMP/CB 201 or equivalent.

[Cell Biology 213. Biological Machines]

Catalog Number: 8427

Robin Reed (Medical School), Thomas E. Ellenberger (Medical School), Daniel Finley (Medical School), Tomas Kirchhausen (Medical School), Danesh Moazed (Medical School), Tom Rapoport (Medical School), Bruce J. Schnapp (Medical School), and Gary I. Yellen (Medical School)

Half course (fall term). Hours to be arranged.

Most major cellular processes are carried out by complex macromolecular machines. The course will investigate the basic principles of these machines by exploring specific examples, including the proteasome, chaperones, nucleocytoplasmic transport machinery, the spliceosome, protein translocation machinery, ion channels, DNA polymerases and topoisomerases, molecular motors and chromatin remodeling machinery. We will examine the structure and assembly of these machines, the mechanisms they use to achieve fidelity, how and why energy is used, the role of conformational changes, and reasons for the extreme complexity of many of the machines. The format will be essentially a workshop, with frequent presentations by students. The material will be focused on the current literature, with an emphasis on experimental design and proposing new experiments.

Note: Expected to be given in 2002–03. Given in alternate years. Course web site is <http://cbweb.med.harvard.edu/biomachine/>. The BioInformation Systems Manager will be Scott Storms, PhD. Offered jointly with the Medical School as CB 719.0

Prerequisite: Undergraduate level biochemistry, molecular biology, cell biology.



Cell Biology 214. Developmental Biology and Genetics

Catalog Number: 3458

Spyros Artavanis-Tsakonas (Medical School), Iswar K. Hariharan (Medical School), Norbert Perrimon (Medical School), Sander Van Den Heuvel (Medical School), and David L. Van Vactor (Medical School)

Half course (fall term). M., 6–8 p.m.; W., 6–8 p.m. EXAM GROUP: 9

The course will emphasize the Developmental Genetics of Model systems including flies, worms, and mice and will be taught at a graduate level. We aim to provide a comprehensive picture of the biological principles and molecular mechanisms governing ontogeny as revealed by the analysis of model systems. We are also interested in discussing different experimental approaches, evaluate experimental systems, and examine the relevance of invertebrate studies in human biology and pathology with an emphasis on cancer. While much of the studies we will discuss involve *Drosophila*, we will often contrast and compare this experimental system with *C.elegans* and occasionally with vertebrate systems.

Note: Offered jointly with the Medical School as CB 720.0.

Graduate Courses of Reading and Research

***Cell Biology 300. Advanced Topics in Cell, Molecular, and Developmental Biology**

Catalog Number: 5825

Alfred L. Goldberg (Medical School) 2827 and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Topics cover areas of interest in cell, molecular, and developmental biology such as spatial organization of cytoplasm, apoptosis, membrane trafficking, and tumor progression and metastasis. Different topics are covered each term.

Note: A series of reading and discussion seminars, each running for a half semester (seven weeks). Two seminars, which can be taken in different semesters, 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 432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Cell Biology 304. Regulation of the Cell Cycle**

Catalog Number: 0414

Joan V. Ruderman (Medical School) 2622

***Cell Biology 305. Developmental Biology**

Catalog Number: 3314

Elizabeth D. Hay (Medical School) 1011

***Cell Biology 306. Permeability and Biological Transport**

Catalog Number: 0416

Thomas H. Wilson (Medical School) 2137



***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. RNA Splicing and Nuclear Export of mRNA**

Catalog Number: 2523

Robin Reed (Medical School) 2319

***Cell Biology 313. The Structure of the Nucleus and the Dynamics of Nuclear Transport**

Catalog Number: 3151

Frank D. McKeon (Medical School) 1990

***Cell Biology 314. Molecular Biology of Extracellular Matrix**

Catalog Number: 5077

Bjørn R. Olsen (Dental School, Medical School) 1164

***Cell Biology 316. Mechanism and Regulation 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 319. Cell Polarity and Morphogenesis**

Catalog Number: 2986

Rong Li (Medical School) 2106

***Cell Biology 320. Mechanisms of Intracellular Transport**

Catalog Number: 4285

Bruce J. Schnapp (Medical School) 2948

***Cell Biology 321. Neuronal Pathfinding and Guidance**

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 325. RNA Localization in Neurons and Determination of Neuronal Fates**

Catalog Number: 4485

Kenneth S. Kosik (Medical School) 1814

***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 331. Growth Factors in Vertebrate Development**

Catalog Number: 5258

Mark Mercola (Medical School) 2947

***Cell Biology 332. Mass Spectrometry and Proteomics**

Catalog Number: 1568

Steven P. Gygi (Medical School) 3939

***Cell Biology 333. High-resolution Electron Microscopy**

Catalog Number: 9254

Thomas Walz (Medical School) 3778

***Cell Biology 334. Molecular Analysis of Tyrosine Phosphatases**

Catalog Number: 2447

Benjamin Neel (Medical School) 2486

***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 337. Keratinocyte Growth and Differentiation**

Catalog Number: 2197

Howard Green (Medical School) 7318

***Cell Biology 338. Developmental Biology of Human Congenital Anomalies**

Catalog Number: 7867

Patricia K. Donahoe (Medical School) 3252

***Cell Biology 339. Cell Morphogenesis and Regulation**

Catalog Number: 3898

Marc W. Kirschner (Medical School) 1078

***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 Throsine 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 348. Structure, Function, and Development of Membrane Skeletons**

Catalog Number: 6638

Samuel E. Lux IV (Medical School) 7403

***Cell Biology 349. Chromosome Structure and Gene Silencing in Yeast**

Catalog Number: 8765

Danesh Moazed (Medical School) 4254



***Cell Biology 352. Vertebrate Embryology, Organogenesis, and Cell Differentiation**

Catalog Number: 9231

Thomas M. Schultheiss (Medical School) 2236

***Cell Biology 353. Regulation of Epithelial Morphogenesis by TGF-beta Family Signaling**

Catalog Number: 8239

Laurel A. Raftery (Medical School) 8686

***Cell Biology 354. Molecular Mechanisms of Intracellular Transport**

Catalog Number: 7605

Victor Wee Hsu (Medical School) 2606

***Cell Biology 355. Cell Interactions in Organ Morphogenesis**

Catalog Number: 1662

Merton Bernfield (Medical School) 1156

***Cell Biology 356. Cell Growth Regulation, Telomere Maintenance and Human Diseases**

Catalog Number: 3718

Kun Ping Lu (Medical School) 2607

***Cell Biology 357. Signal Transduction and Animal Cell Movement**

Catalog Number: 5835

Thomas P. Stossel (Medical School) 7734

***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 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 375. Molecular and Cellular Mechanisms of Regeneration. Molecular Genetics of Cardiovascular Diseases**

Catalog Number: 0435

Mark T. Keating (Medical School) 3895

***Cell Biology 376. Chemical Approaches to Cell Division and Cancer**

Catalog Number: 7680

Randy King (Medical School) 3941

Genetics

Primarily for Graduates

***Genetics 200. Genetics Development and Reproductive Biology**

Catalog Number: 4265 Enrollment: Limited to 4 Division of Medical Sciences students.

Philip Leder (Medical School), Daniel D. Federman (Medical School), Bruce R. Korf (Medical School), and Clifford J. Tabin (Medical School)

Half course (spring term). M. through F., 8:30–12:30 First class meets 3/18/02. Call 432-0904 for first meeting times.

Focuses on fundamental aspects of human genetics, reproduction, early development, and morphogenesis. Both classical and molecular genetics are addressed, with particular application to human biology and medicine. Laws that govern inheritance and variation among individuals and populations considered with special attention to the molecular aspects of inheritance, mutation, and gene control.

Note: Call 432-1515 to register. Permission of both the course director and the Medical School Registrar is required. Offered jointly with the Medical School as IN 703.0.

Prerequisite: Biochemistry or equivalent.

Genetics 201. Principles of Genetics

Catalog Number: 4225

William F. Dietrich (Medical School), Anne C. Hart (Medical School), Ann Hochschild (Medical School), Elizabeth A. Perkins (Medical School), and Fred Winston (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. To illustrate the principles of genetics, we will draw on examples from various systems, such as *Drosophila*, *C. Elegans*, *Saccharomyces*, mouse, human and bacteria. In addition, considerable time will be spent discussing important practical aspects and constraints of genetic analysis in various organisms. Section meetings will focus on critical discussion of papers from the literature and on discussion of problem sets.

Note: Intended for first-year graduate students. Offered jointly with the Medical School as GN 701.0.

[Genetics 214. Biology of the Visual System]

Catalog Number: 5537 Enrollment: Limited to 20. Minimum 5; maximum 20.

Constance L. Cepko (Medical School), Richard T. Born (Medical School), John E. Dowling, Thaddeus P. Dryja, Jr. (Medical School), John G. Flanagan (Medical School), Ilene K. Gipson



(Medical School), Francesca Pignoni (Medical School), Meredith Applebury (Medical School), and Elio Raviola (Medical School)

Half course (fall term). Hours to be arranged.

An introduction to the visual system focusing on the vertebrate visual system, primarily on the retina, but with some coverage of other visual centers. Covers aspects of anatomy, physiology, biochemistry, development, and molecular genetics.

Note: Expected to be given in 2002–03. Given in alternate years. An introductory course in neurobiology is suggested, but not required. Offered jointly with the Medical School as GN 714.0.

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.

This course will cover both biochemical and genetic studies in regulatory mechanisms. We will discuss a small number of topics in depth, using the primary literature as the main source of information. Each area of research covered will be analyzed in terms of the conceptual basis for its study, its advancement and evolution, and the experimental approaches that were used. Topics will 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: Epigenetic and Other Forms of Gene Regulation]

Catalog Number: 2252 Enrollment: Limited to 15.

Chao-Ting Wu (Medical School), William C. Forrester (Medical School), and Jeannie T. Lee (Medical School)

Half course (spring term). Hours to be arranged.

There is increasing interest in apparently unusual forms of gene regulation, many of which have been described as epigenetic. We will explore a selection of these phenomena, including X-inactivation, transvection, methylation, parental imprinting, RIP, MIP, quelling, co-suppression, and paramutation. Examples will be taken from prokaryotes, ciliates, fungi, plants, insects, and mammals. While the underlying bases for these processes may seem diverse, we will aim to identify unifying themes. The course format will entail paper discussions, lectures, and student presentations.

Note: Expected to be given in 2002–03. 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

David Hausmann (Medical School) and associates

Half course (fall term). M., F., 9–12. EXAM GROUP: 2, 3, 4

The focus of this course is on the scientific, clinical, and ethical aspects of modern human genetics. Basic science lectures covering genetic approaches and molecular underpinnings of inherited diseases are integrated with patient presentations and discussion. An outside project puts each student in direct contact with clinicians, researchers, and patients dealing in a particular



disorder. During the first portion of the semester fundamental principles of human genetics are presented to the class. During these early sessions, students with stronger backgrounds meet in alternative sections with leading researchers to discuss related advanced topics based on reading of primary literature.

Note: Offered jointly with the Medical School as HT 160.

Graduate Courses of Reading and Research

***Genetics 300. Advanced Topics in Cell, Molecular, and Developmental Biology**

Catalog Number: 1037

Susan M. Dymecki (Medical School) 1736

Topics cover areas of interest in cell, molecular, and developmental biology such as molecular genetics of learning and memory, conservation of embryological mechanisms, molecular organogenesis, and biology of yeasts. Different topics are covered each term.

Note: A series of reading and discussion seminars, each running for a half semester (seven weeks). Two seminars, which can be taken in different semesters, 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 432-0605 or visit the DMS Office at T-MEC 435, 260

Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Genetics 301. Research in Molecular Genetics and Molecular Oncology**

Catalog Number: 4780

Philip Leder (Medical School) 7527

***Genetics 302. Molecular Biology of Plants: Control of Eukaryotic Gene Expression**

Catalog Number: 3650

Howard M. Goodman (Medical School) 7526

***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 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 317. Targeted Mutagenesis in Mice to Study Molecular Control of Development**

Catalog Number: 2271
Jordan A. Kreidberg (Medical School) 2080

***Genetics 318. Genome Structure**

Catalog Number: 5012
George M. Church (Medical School) 1608

***Genetics 319. Mouse Models of Human Disorders**

Catalog Number: 0860
David R. Beier (Medical School) 3519

***Genetics 320. Contribution of Placental Karyotype Abnormalities to Adverse Pregnancy Outcomes**

Catalog Number: 2989
Louise E. Wilkins-Haug (Medical School) 2097



***Genetics 321. Genetics of Embryonic Development in Drosophila**

Catalog Number: 6501

Norbert Perrimon (Medical School) 1679

***Genetics 322. Vertebrate Pattern Formation**

Catalog Number: 0436

Clifford J. Tabin (Medical School) 2430

***Genetics 323. Molecular Biology of V(D)J Recombination**

Catalog Number: 6950

Marjorie A. Oettinger (Medical School) 3172

***Genetics 324. Transformation and Leukemogenesis by *abl* Oncogenes; Hematopoiesis**

Catalog Number: 7286

Richard A. Van Etten (Medical School) 3266

***Genetics 326. Genetics of TSC and Motility**

Catalog Number: 2900

David J. Kwiatkowski (Medical School) 3770

***Genetics 327. Mammalian Cell Cycle Control**

Catalog Number: 1535

Edward E. Harlow (Medical School) 2863

***Genetics 328. Lymphocyte Differentiation, Recombination, and Nuclear Oncogenes**

Catalog Number: 2702

Frederick W. Alt (Medical School) 3146

***Genetics 330. Critical Thinking and Research Proposal Writing**

Catalog Number: 0210 Enrollment: Open to all BBS students; others need approval of the instructor.

Alan M. Michelson (Medical School) 2029 and members of the Faculty

Half course (fall term). Tutorials to be scheduled individually by each group.

This course provides thorough coverage of the essential elements of hypothesis-driven research proposal writing. Through a series of written exercises and class discussions, students will learn how to choose an appropriate research subject, define specific scientific hypotheses to advance the understanding of the chosen topic, design a series of properly controlled experiments to investigate these questions, anticipate potential outcomes and technical pitfalls of the proposed experiments, and consider alternative interpretation of the predicted results. Emphasis will be placed on the organization of these concepts in a coherent, appropriately structured written format. Groups of approximately four students and two faculty instructors will meet for six tutorials during the course of the fall semester. Discussions will focus on the critical assessment of model research proposals and on the development of original proposals by individual students within the group.

Prerequisite: Core course in genetics, cell biology, molecular biology, and biochemistry.



***Genetics 331. Cell Cycle Checkpoints**

Catalog Number: 2348

Tamar L. Enoch (Medical School) 3521

***Genetics 332. Combining Genetic and Biochemical Approaches to Dissect Tumor Suppressor Gene Function.**

Catalog Number: 2975

Karen M. Cichowski (Medical School) 3932

***Genetics 333. Molecular Biology of Neuronal Plasticity and Alzheimer's Disease**

Catalog Number: 6418

Rachael L. Neve (Medical School) 3525

***Genetics 335. Epigenetics, Chromatin, Gene Structure, and Evolution**

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 339. Molecular Organ Development**

Catalog Number: 3779

Mark C. Fishman (Medical School) 1170

***Genetics 340. Iron Metabolism in Red Blood Cells**

Catalog Number: 2936

Nancy Andrews (Medical School) 1589

***Genetics 343. Axis Establishment in Early Vertebrate Embryogenesis**

Catalog Number: 5304

Jeremy Green (Medical School) 1950

***Genetics 346. Molecular and Cell Biology of Serpins**

Catalog Number: 5323

Gary A. Silverman (Medical School) 2086

***Genetics 347. Genetics of Host Resistance to Infectious Disease**

Catalog Number: 5635

William F. Dietrich (Medical School) 2067



***Genetics 348. Molecular Genetics of Human Leukemias**

Catalog Number: 5908

D. Gary Gilliland (Medical School) 2068

***Genetics 349. Signal Transduction in Disease and Development**

Catalog Number: 0177

Andre Bernards (Medical School) 1824

***Genetics 350. Molecular Genetic Control of Mammalian Organogenesis**

Catalog Number: 4974

Richard L. Maas (Medical School) 3703

***Genetics 351. Using Drosophila as a Genetic System to Study Signal Transduction Pathways**

Catalog Number: 4998

Lizabeth A. Perkins (Medical School) 1604

***Genetics 352. Genetic and Molecular Approaches to Study Photoreceptor Cell Differentiation in the Drosophila Eye**

Catalog Number: 5055

Iswar K. Hariharan (Medical School) 1796

***Genetics 355. Molecular Genetics of Human Neuromuscular Diseases**

Catalog Number: 9253

Alan H. Beggs (Medical School) 1422

***Genetics 356. Hematopoiesis and Signal Transduction in Drosophila**

Catalog Number: 4608

Charles R. Dearolf (Medical School) 3251

***Genetics 358. Mammalian Embryonic Patterning**

Catalog Number: 8297

Susan M. Dymecki (Medical School) 1736

***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 M. 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 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 368. Molecular & Genetic Mechanisms Responsible for Muscle Differentiation During Embryonic Development**

Catalog Number: 7490

Alan M. Michelson (Medical School) 2029

***Genetics 369. Elucidating the Molecular Mechanisms Underlying Signal Transduction Pathways that Mediate Plant Responses to Central Growth Regulators, such as Sugars, Stress, and Phytohormones**

Catalog Number: 3010

Jen Sheen (Medical School) 3892

***Genetics 370. Molecular Genetics of the Ductal Carcinoma of Insitu of the Breast**

Catalog Number: 4519

Kornelia Polyak (Medical School)

***Genetics 371. Functional Genomics and Proteomics of Signal Transduction**

Catalog Number: 2190

Marc Vidal (Medical School) 3914

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 200. Lymphocyte Development and the Generation of Diversity]

Catalog Number: 2669

Shiv S. Pillai (Medical School), Frederick W. Alt (Medical School), Laurie H. Glimcher (Public Health), and Marjorie A. Oettinger (Medical School)

Half course (spring term). Hours to be arranged.

Topics discussed will include commitment to the lymphoid lineage, cell fate decisions in B and T cell development, the transcriptional regulation of lymphocyte development, the generation of



TH1 and TH2 cells, and apoptotic death in the immune system. We will also examine the processes of VDJ recombination, isotype switching, and somatic mutation in mechanistic detail. The two parts of this course may be taken together as a half course, or individually as quarter courses which will be offered sequentially, one on DNA rearrangement and the other on lymphocyte development.

Note: Expected to be given in 2002–03. The quarter courses are offered under Immunology 300. Offered jointly with the Medical School as IM 700.0. Given in alternate years.

Prerequisite: Genetics or Introductory Immunology course at the undergraduate or graduate level.

***Immunology 201. Principles of Immunology**

Catalog Number: 8337

Hidde Ploegh (Medical School), Uli Von Andrian (Medical School) Co-Director, Frederick W. Alt (Medical School) and Diane Mathis (Medical School)

Half course (fall term). Tu., Th., 1:30–3:30.

As a comprehensive core course in immunology, the topics include a broad but intensive examination of the cells and molecules of the immune system. Special attention is given to the experimental approaches that led to the general principles of immunology.

Note: Background in genetics and biochemistry is strongly recommended. Offered jointly with the Medical School as IM 702.0.

Prerequisite: This course is 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.

[Immunology 205. Principles of Clinical Immunology]

Catalog Number: 7604

Roy J. Soberman (Medical School), Richard L. Stevens (Medical School) and associates

Half course (spring term). Hours to be arranged.

Focuses on the molecular mechanism of immunologic diseases. A detailed examination of the current scientific literature and experimental approaches used to elucidate the mechanisms of these diseases is the subject of a combination of discussions and brief introductory lectures.

Note: Expected to be given in 2002–03. Given in alternate years. Offered jointly with the Medical School as IM 707.0.

Prerequisite: General immunology and a strong knowledge of biochemistry is suggested.

Immunology 217. Signal Transduction and Gene Regulation in the Immune System

Catalog Number: 8205 Enrollment: Limited to 16.

Anjana Rao (Medical School), Hamid Band (Medical School), Michael Pazin (Medical School), and Brian Seed (Medical School)

Half course (spring term). Th., 4–6:30.

An advanced discussion of the mechanisms of signal transduction and inducible gene expression in cells of the immune system, with reference to non-immune cells types and systems. The two parts of this course are offered in sequence as individual quarter courses, the first on cell signaling and the second on transcriptional regulation. They may also be taken together as semester-long half course. The topics to be discussed include: protein modules and protein-protein interactions; antigen and coreceptor stimulatory pathways; adhesion receptors and



lymphocyte homing; negative signaling and tolerance; viral subversion of the immune response; calcium signaling; MAP kinase cascades; cell activation and cell death; cytokine signalling; NFkB; cooperative mechanism in gene transcription; histone acetylation and DNA methylation; chromatin; locus control; and new approaches to the study of immune system function in vivo.

Note: Given in alternate years. Offered jointly with the Medical School as IM 727.0.

Prerequisite: General biochemistry and immunology.

[*Immunology 219. Immunodeficiencies and Infectious Diseases]

Catalog Number: 1873

Cox Terhorst (Medical School), Michael B. Brenner (Medical School), Raif S. Geha (Medical School), Norman Letvin (Medical School), Fred S. Rosen (Medical School), and Michael Starnbach (Medical School)

Half course (spring term). Hours to be arranged.

This course will be divided into two parts. The first quarter describes genetically determined human immunodeficiency patients, murine immunodeficiencies caused by homologous recombination or introduction of transgenes, and human and animal acquired immunodeficiencies. Examines impact of defects on lymphoid differentiation and on immune responses. Evaluates use of animal models for study and therapy of human disease states. The second quarter characterizes natural host immune responses that contain infectious agents. Interactions between HIV and cells of the immune system will be emphasized. The two parts of this course can be taken together as a half course, or individually as a quarter course under Immunology 300.

Note: Expected to be given in 2002–03. Given in alternate years. Offered jointly with the Medical School as IM 729.0.

Prerequisite: Course in basic immunology.

Graduate Courses of Reading and Research

Primarily designed for work on a thesis 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

Hidde Ploegh (Medical School & Affiliate member of MCB) 3143

A series of reading and discussion seminars each running for a half semester (7 weeks). Two seminars, which can be taken in different semesters, are required for credit. Topics include the role of intracellular and transmembrane protein phosphates in signal transduction.

Note: Designed primarily 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. Please contact us at 432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Immunology 301. Immunology Seminar**

Catalog Number: 4971

Hidde Ploegh (Medical School & Affiliate member of MCB) 3143

Half course (fall term; repeated spring term). W., 3:30–6:15.

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: Designed primarily 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 304. Immediate Hypersensitive Reactions**

Catalog Number: 2259

Kurt J. Bloch (Medical School) 3589

***Immunology 305. Mechanism of Delayed Hypersensitivity. Biology of Parasitism.**

Catalog Number: 2036

John R. David 3592

***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 311. Defects in the Immune Response**

Catalog Number: 2738

Fred S. Rosen (Medical School) 3595

***Immunology 312. Mechanisms of T-cell Homing**

Catalog Number: 7968

Christina M. Parker (Medical School) 3024

***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 Biology of Immune Cell Interactions**

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 327. Chemical Cell Biology**

Catalog Number: 0824

Stuart L. Schreiber 2166

***Immunology 328r. Introduction to Research**

Catalog Number: 5531

Hidde Ploegh (Medical School & Affiliate member of MCB) 3143

***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 333. Immunopathogenesis of Viral Diseases**

Catalog Number: 2430

Norman Letvin (Medical School) 2317



***Immunology 334. Molecular Aspects of Immunoregulation and T-Cell Activation**

Catalog Number: 0492

Christopher E. Rudd (Medical School) 2310

***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 1175

***Immunology 338. Signal Transduction in the Immune System**

Catalog Number: 5458

Hamid Band (Medical School) 2867

***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 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 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 354. Topics in Transplantation Biology**

Catalog Number: 1459

David H. Sachs (Medical School) 1075

***Immunology 355. Biochemistry of MHC Class I- and MHC Class II-restricted Antigen Presentation**

Catalog Number: 7338

Hidde Ploegh (Medical School & Affiliate member of MCB) 3143

***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 360. Focus on the Hematopoietic Stem Cell in the Context of AIDS and Cancer**

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**

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**

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. Apoptosis and Autoimmunity**

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. Cell Cycle Checkpoints, Gene Rearrangements, DNA Repair**

Catalog Number: 1816

Gary A. Rathbun (Medical School) 3774

***Immunology 371. Cellular and Molecular Mechanisms of Eosinophil in Allergic Inflammation**

Catalog Number: 3716

Peter F. Weller (Medical School) 2657

***Immunology 372. Mechanisms Graft Rejection: Allo and Xeno**

Catalog Number: 3207

Hugh Auchincloss (Medical School) 2661

***Immunology 373. Biology of Histocompatibility Systems; Immunology of Aging**

Catalog Number: 6317

Edmund 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 (Public Health) 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 386. Immunology of the Eye**

Catalog Number: 9390

J. Wayne Streilein (Medical School) 3953



***Immunology 387. Transplantation Biology Antigen-dependent and Antigen-independent Actors in Chronic Rejection Physiology of Acute Rejection.**

Catalog Number: 3363

Nicholas L. Tilney (Medical School) 3954

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 399. Topics in Immunology**

Catalog Number: 2377

Hidde Ploegh (Medical School & Affiliate member of MCB) 3143

Medical Sciences

Primarily for Graduates

***Medical Sciences 215. Integrated Human Physiology**

Catalog Number: 6359

Bruce R. Zetter (Medical School) and members of the Faculty

Half course (fall term). M., through F., 8:30–12:00. First meeting 12/13/01.

This course describes the physiological mechanisms underlying the functions and interactions of the major systems of the human body, including the cardiovascular, renal, gastrointestinal, respiratory, endocrine, and reproductive systems. Particular emphasis is placed on the interactions between these systems and the overall integration of physiological functions. The course is geared primarily toward small group exercises including case discussions, problem sets, hospital based demonstrations, and laboratories.

Note: Offered jointly with the Medical School as IN 712.0. Students taking the course for credit are expected to attend all course sessions. Permission of both the course director and the Medical School Registrar is required.

***Medical Sciences 250ab. Human Functional Anatomy**

Catalog Number: 6946 Enrollment: Limited to 48. Minimum 25; maximum 48.

Farish A. Jenkins, Jr., Lee Gehrke (Medical School), and Samuel Kennedy (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 bioengineering are employed to promote analytical approaches to understanding the body's design. The embryology of major organ systems presented, together with certain references to phylogenetic development, as a basis for comprehending anatomical complexity. Correlation clinics stress both normal and abnormal functions of the body; guest lectures focus on current problems in organ system research and molecular aspects of development.



Note: Open to qualified graduate students with permission of the instructors. Undergraduates are ordinarily not admitted to the course, although occasional exceptions may be made for those with a clearly defined interest in anatomy other than for pre-medical preparation. The course is not open to undergraduates planning a postgraduate career in medicine. Students must register with instructors before first meeting of course (495-2499). Offered jointly with the Medical School as HT 010.

Medical Sciences 265. Human Physiology: Classical and Contemporary Approaches

Catalog Number: 4308

Edmund A. Mroz, Jr. (Medical School)

Half course (spring term). Hours to be arranged.

Explores function of the human organism, through experimental findings and underlying principles of classical physiology and of cellular and molecular biology. Covers the cardiovascular, respiratory, renal, and gastrointestinal systems, and energy metabolism.

Discusses cellular and molecular basis of function while emphasizing integrated regulation via endocrine and autonomic nervous systems.

Note: Contact instructor: E-mail eam@epl.meei.harvard.edu Tel:573-4232. Offered jointly with the Medical School as MS 701.0.

Prerequisite: Cell biology or biochemistry.

Graduate Courses of Reading and Research

***Medical Sciences 300. Conduct of Science**

Catalog Number: 1815

Thomas O. Fox (Medical School) 4542

***Medical Sciences 399. Topics in Medical Sciences**

Catalog Number: 3197

Thomas O. Fox (Medical School) 4542

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

Catherine A. Lee (Medical School), R. John Collier (Medical School), Dan G. Fraenkel (Medical School), and Roberto G. Kolter (Medical School)

Half course (spring term). M., W., F., 9–10:30. Pre-class meeting 1/29/02, RSVP clee@hms.harvard.edu.

Course will be devoted primarily to bacterial structure, physiology, genetics, regulatory



mechanisms and pathogenesis. Class time will consist of a combination of: 1) lecture, 2) presentations emphasizing methods, results and interpretation of classic and contemporary literature, 3) guest seminars, and 4) small group discussions of papers.

Note: Offered jointly with the Medical School as MG 726.0. Course website
<http://gasp.med.harvard.edu/micro200/index.html>

***Microbiology 205. Mechanisms of Microbial Pathogenesis**

Catalog Number: 2480 Enrollment: May be limited.

Clyde S. Crumpacker II (Medical School), Harvey B. Simon (Medical School) and associates
Half course (fall term). Tu., Th., 8:30–11.

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.

[Microbiology 209. Molecular Biology of Bacterial Development and Multicellularity]

Catalog Number: 2698 Enrollment: Limited to 12.

Roberto G. Kolter (Medical School) and associates

Half course (spring term). Hours to be arranged.

The course provides an in depth coverage of bacterial systems displaying complex developmental processes and intercellular communication. A major aim of the course is to give students experience in researching topics and preparing formal lecture presentations. Lectures are accompanied by critical discussions of key papers. The specific topics vary from year to year and are selected based on the recent literature and student interest.

Note: Expected to be given in 2002–03. Given in alternate years. A minimum of 8 interested students are required to offer the course, open to graduate and advanced undergraduate students. Contact the instructor at 432-1776. Offered jointly with the Medical School as MG 727.0.

[*Microbiology 212. Bacterial Metabolism]

Catalog Number: 0598

Dan G. Fraenkel (Medical School)

Half course (fall term). Hours to be arranged.

Pathways and energy metabolism. A discussion course based on papers.

Note: Expected to be given in 2002–03. Contact the instructor at 432-1912. Offered jointly with the Medical School as MG 728.0. Also offered as 2 Quarter Courses.

Microbiology 213. Social Issues in Biology

Catalog Number: 7905

Jonathan R. Beckwith (Medical School), Roberto G. Kolter (Medical School), and Louis Guenin (Medical School)

Half course (spring term). Th., 1–4.

A series of presentations and discussions on several of the following: philosophy, history, and sociology of science, science and journalism, genetics and the law, fraud in science, social and ethical issues in genetic screening, genes and human behavior, gender issues in biology, and the Human Genome Project. A set of readings is prepared for each session that includes differing viewpoints on the topic at hand.



Note: Given in alternate years. 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 Enrollment: Limited to and required of all first-year BBS students.

Stephen C. Blacklow (Medical School), Alan D. D'Andrea (Medical School), Elaine A. Elion (Medical School), Andrius Kazlauskas (Medical School), Andrea I. McClatchey (Medical School), Karl Münger (Medical School), Jeffrey D. Parvin (Medical School), David Pellman (Medical School), Thomas M. Schultheiss (Medical School), Piotr Sicinski (Medical School), and Sheila Thomas (Medical School)

Half course (fall term). Tu., Th., 4:30–7:30 p.m.

Critical analysis of original research articles in an intensive small group discussion format.

Papers will be analyzed in terms of background, hypothesis, appropriate use of experimental methods, and objective interpretation of results. Covers a wide range of papers in biochemistry, genetics, microbiology, and cell and developmental biology.

Graduate Courses of Reading and Research

Primarily designed for work on a thesis 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 semester (7 weeks). Two seminars, which can be taken in different semesters, 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 432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Microbiology 303. Transcription Regulation During Mammalian Embryogenesis**

Catalog Number: 4112

Mary R. Loeken (Medical School) 3151

***Microbiology 305. Molecular Determinants of Intracellular Bacterial Pathogenesis**

Catalog Number: 3190

Darren E. Higgins (Medical School) 2963

***Microbiology 306. Molecular Basis for Simian Virus Pathogenesis**

Catalog Number: 3185

Ronald C. Desrosiers (Medical School) 1874

***Microbiology 307. Growth Factors and Signal Transduction**

Catalog Number: 5726

Charles D. Stiles (Medical School) 4828



***Microbiology 308. Infectious Disease & Basic Microbiological Mechanisms**

Catalog Number: 4217

Dennis L. Kasper (Medical School) 4815

***Microbiology 309. Microbial Metabolism**

Catalog Number: 5086

Dan G. Fraenkel (Medical School) 1169

***Microbiology 311. Bacterial 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 314. Cell Interactions in Vertebrate Development**

Catalog Number: 0862

Sergei Y. Sokol (Medical School) 3530

***Microbiology 315. Biochemical Mechanisms Controlling Cell Growth and Differentiation**

Catalog Number: 3273

Michael E. Greenberg (Medical School) 1400

***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 319. Regulation of Gene Expression and Evolution of Metabolic Pathways in Bacteria**

Catalog Number: 1168

Edmund C. C. Lin (Medical School) 1183

***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 323. Molecular Genetic Analysis of Virulence Factors in Gram-Negative Pathogens and Construction of Recombinant Vaccines**

Catalog Number: 4931

Stephen Calderwood (Medical School) 3520

***Microbiology 324. Bacterial Pathogenesis, Vaccine Development & Host Epithelial Cell Responses to Bacterial Infection**

Catalog Number: 3472

Gerald B. Pier (Medical School) 2853

***Microbiology 328. Molecular Biology of Epstein Barr Virus Infection and Transformation of B Lymphocytes**

Catalog Number: 3188

Elliott D. Kieff (Medical School) 1858

***Microbiology 332. Gene Regulation of Prokaryotes**

Catalog Number: 0915

Ann Hochschild (Medical School) 2314

***Microbiology 333. Bacterial Pathogenesis**

Catalog Number: 4275

Catherine A. Lee (Medical School) 3259

***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 338. Structure-Function of Human Mannose-Binding Protein**

Catalog Number: 4424

R. Alan Ezekowitz (Medical School) 1808

***Microbiology 340. Herpes Virus Transformation and Gene Transfer Vector**

Catalog Number: 8544

Jae Ung Jung (Medical School) 2048

***Microbiology 341. DNA Recombination and Repair in Mammalian Cells**

Catalog Number: 6153

David T. Weaver (Medical School) 2031



***Microbiology 342. Reovirus Structure, Assembly, and Particle Functions in Entry and RNA Synthesis**

Catalog Number: 4181

Max L. Nibert (Medical School) 3896

Neurobiology

Primarily for Graduates

Neurobiology 200. Introduction to Neurobiology

Catalog Number: 6062 Enrollment: Limited to 45.

David P. Corey (Medical School), Richard H. Masland (Medical School), John A. Assad (Medical School), Matthew Frosch (Medical School), Gabriel Corfas (Medical School), and guest lecturers

Half course (fall term). M., W., F., 9–12.

Spans modern neuroscience from molecular neurobiology to perception and cognition, including the following major topics: anatomy and development of the brain; cell biology of neurons and glia; ion channels and electrical signaling; synaptic transmission, integration, and chemical systems of the brain; sensory systems; motor systems; higher brain function (memory, language, affective disorders).

Note: Offered jointly with the Medical School as HT 130. Follows the Medical School calendar. Three hours of lecture and six hours of lecture/conference weekly.

Neurobiology 204. Neurophysiology of Central Circuits

Catalog Number: 5603

R. Clay Reid (Medical School), John A. Assad (Medical School), Stephen C. Cannon (Medical School), and Richard Born (Medical School)

Half course (spring term). M., W., 10–12.

Introduction to the physiology of circuits in the vertebrate central nervous system. Topics include the auditory, somatosensory, and visual systems, the cerebellum, and the neural control of eye movements. The behavior of these systems will be analyzed at three levels: the electrophysiological properties of single neurons, synaptic interactions between neurons *in vitro*, and the behavior of the circuits *in vivo*.

Note: Offered jointly with the Medical School as NB 721.0.

Prerequisite: Neurobiology 220.

Neurobiology 206. Molecular Mechanisms of Synapse and Signaling

Catalog Number: 1733

Jonathan B. Cohen (Medical School) and Thomas L. Schwarz (Medical School)

Half course (spring term). Tu., Th., 9:30–11.

Introduction to the molecular mechanisms of synaptic function, receptor recognition, and regulation. Topics include the structure and function of neurotransmitter receptors and their intracellular signalling pathways, and the mechanisms involved in the metabolism, storage, and release of neurotransmitters. Examples are chosen from monoamine, amino acid, and peptidergic systems.



Note: Given in alternate years. Offered jointly with the Medical School as NB 718.0.

Prerequisite: Knowledge of introductory biochemistry and neurobiology.

Neurobiology 207. Developmental Neurobiology

Catalog Number: 4977 Enrollment: Limited to 30.

Rosalind A. Segal (Medical School), Qiufu Ma (Medical School), Stefan Thor (Medical School), and David L. Van Vactor (Medical School)

Half course (spring term). Tu., Th., 3–5.

Development of the nervous system. Topics include delineation of neural vs. non-neural tissues; axial and segmental patterning; cell lineage; specification of neuronal identity; axonal outgrowth and guidance; synapse formation and regression; hormonal influences on nervous system development.

Note: Offered jointly with the Medical School as NB 720.0.

Prerequisite: *Neurobiology 200 or permission of instructor.

Neurobiology 209. The Neurobiology of Disease

Catalog Number: 5562

Edward A. Kravitz (Medical School), Robert H. Brown (Medical School), and Walter J. Koroshetz (Medical School)

Half course (spring term). M., 4–6:30, W., 7:30–9:30 p.m.

Designed for advanced undergraduate and graduate students interested in diseases and disorders of the nervous system. A major disease or disorder is presented each week. Monday sessions involve patient presentations and “core” lectures describing clinical aspects of a disease or disorder, the pathology (where relevant), and the basic science information needed to help in understanding the disease or disorder. On 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.

Introductory neurobiology, biochemistry, and molecular biology are recommended.

***Neurobiology 220. Cellular Neurophysiology**

Catalog Number: 2141

Stephen C. Cannon (Medical School), Bruce P. Bean (Medical School), Wade G. Regehr (Medical School), and Gary I. Yellen (Medical School)

Half course (fall term). Tu., Th., 9:30–12, and weekly discussion section.

Introduction to the physiology of neurons. Topics include structure and function of ion channels, generation and propagation of action potentials, physiology of synaptic transmission, and mechanisms of neurotransmitter modulation of neuronal activity. 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), Linda D. Buck (Medical School), and Michael E. Greenberg (Medical School)

Half course (spring term). Hours to be arranged.



Introduction to the molecular biology and genetics of the nervous system. Selected aspects of development, gene regulation, plasticity, and behavior are covered. Includes reading and discussion of original papers.

Note: Expected to be given in 2002–03. Given in alternate years. Offered jointly with the Medical School as NB 715.0.

Prerequisite: Introductory neurobiology (may be taken concurrently).

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.

Note: A series of reading and discussion seminars, each running for a half semester (seven weeks). Two seminars, which can be taken in different semesters, are required for credit. Offered jointly with the Medical School as NB 719.0. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Neurobiology 304. Chemistry of Synapses**

Catalog Number: 5467

Edward A. Kravitz (Medical School) 2063

***Neurobiology 305. Behavioral Neuroscience, Neurobiology of Learning and Memory**

Catalog Number: 8340

Mark G. Baxter 1364 (on leave spring term)

***Neurobiology 307. Investigation of Central Nervous System Pathways Regulating Autonomic & Neuroendocrine Function**

Catalog Number: 4961

Joel K. Elmquist (Medical School) 3045

***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 313. Molecular Neurobiology of the Biological Clock**

Catalog Number: 1758

Charles J. Weitz (Medical School) 1139



***Neurobiology 314. Structure and Function in the Central Nervous System**

Catalog Number: 3994

Ursula C. Dräger (Medical School) 6137

***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 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 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 327. Rotations in Neurosciences**

Catalog Number: 5694

Jonathan B. Cohen (Medical School) 1120



***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. Molecular Biology of Olfaction**

Catalog Number: 4986

Linda D. Buck (Medical School) 1128

***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 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 340. Neuronal Interactions within the Retina; Processing of Visual Information; Development of the Retina**



Catalog Number: 5261

John E. Dowling 3545 (on leave fall term)

***Neurobiology 341. Molecular Physiology of Neurologic Disease**

Catalog Number: 5441

Stephen C. Cannon (Medical School) 1792

***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 344. Neuropharmacology and Functional Anatomy of Basal Ganglia**

Catalog Number: 7327

Anne B. Young (Medical School) 2896

***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 348. Neural Activity and Visual System Development**

Catalog Number: 3224

Carla J. Shatz (Medical School) 3796

***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. Mechanisms by which Caspases Mediate Neurodegeneration**

Catalog Number: 2072

Robert M. Friedlander (Medical School) 3935

***Neurobiology 353. G Proteins, Ion Channels, Calcium**

Catalog Number: 3689

David E. Clapham (Medical School) 2987

***Neurobiology 354. Age-Dependent Effects of Epilepsy and Excitotoxicity with a Specific Interest in the Interaction between Seizures and Brain Development**

Catalog Number: 5702

Frances E. Jensen (Medical School) 3940

***Neurobiology 355. Neuronal Signal Transduction Pathways**

Catalog Number: 6914

Christine L. Konradi (Medical School) 3942

***Neurobiology 356. Ion Channels in Neural Cell Membranes**

Catalog Number: 8368

David P. Corey (Medical School) 1345

***Neurobiology 357. Neuropharmacology of the Auditory System**

Catalog Number: 2531

William F. Sewell (Medical School) 1616

***Neurobiology 358. Neurogenetics of Human Disease**

Catalog Number: 7616

Xandra O. Breakefield (Medical School) 1428

***Neurobiology 359. Molecular, Neuroanatomic, Electrophysiologic and Behavioral Analysis of Gestational Cocaine Exposure (in mice)**

Catalog Number: 9208

Barry E. Kosofsky (Medical School) 3943

***Neurobiology 361. Immunobiology of the Nervous System and its Tumors**

Catalog Number: 7282

Lois A. Lampson (Medical School) 2491

***Neurobiology 362. Sensory Processing in the Auditory Periphery in Normal and Damaged Ears**

Catalog Number: 3061

M. Charles Liberman (Medical School) 3945



***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 366. Neurobiology of the Retina**

Catalog Number: 7391

Richard H. Masland (Medical School) 4923

***Neurobiology 367. Neo-Cortical Development and 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 371. Understanding the Mechanisms that Control the Generation and Differentiation of Neurons**

Catalog Number: 9968

Stefan Thor (Medical School) 2694

***Neurobiology 372. Neurotransmitter Control of Ion Channels**

Catalog Number: 7104

Bruce P. Bean (Medical School) 1148

***Neurobiology 373. Developmental Studies of the Murine Trigeminal**

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. Neurogenetic and Biophysical Analysis of Synaptic Transmission, Exocytosis and K⁺ Channel Function**

Catalog Number: 2911

Thomas L. Schwarz (Medical School) 3923

***Neurobiology 377. Molecular Mechanisms of Visual Transduction, Light Adaptation and Retinal Disease**

Catalog Number: 6897

Clint L. Makino (Medical School) 3946

***Neurobiology 378. Molecular Mechanisms in the Development of Muscle Cell Diversity**

Catalog Number: 2555

Jeffrey B. Miller (Medical School) 4194

***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 A. Rosenberg

***Neurobiology 383. Studies of Primate Visual System, with Emphasis on the Retina and Visual Cortex**

Catalog Number: 1889

D. Max Snodderly (Medical School) 3952

***Neurobiology 384. Structure, Function, and Biological Roles of Na, K-ATPase isoforms in Excitable Tissue**

Catalog Number: 5762

Kathleen J. Sweadner (Medical School) 2148

***Neurobiology 385. Molecular basis of CNS Myelination and Axonal Signals that Specify Oligodendrocyte Development and Myelination**

Catalog Number: 6635

Timothy K. Vartanian (Medical School) 4068

***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 387. CNS Development & Tumorigenesis**

Catalog Number: 1406

David H. Rowitch (Medical School) 3950

***Neurobiology 388. Cell Biological Biochemical and Molecular Studies on the Mechanisms by which Pathological Stimuli Induce Apoptosis in Neurons**

Catalog Number: 2030

Rajiv R. Ratan (Medical School) 3948

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

Cynthia C. Morton (Medical School) and William F. Sewell (Medical School)

Half course (fall term). Hours to be arranged.

This critical reading and discussion course will examine molecular genetic and molecular biological approaches to understanding auditory function and dysfunction. This course will emphasize the functional implications of genetic disorders of hearing in which both the gene and the molecular defect have been identified or hypothesized. It will also cover molecular biological approaches to understanding and intervening in auditory dysfunction. Discussions will be led by students. The first half of the course will focus on human genetics.

Note: Expected to be given in 2002–03. Given in alternate years. Offered jointly with the Medical School as HT 730.

Prerequisite: Introductory courses in neurobiology and molecular biology are recommended.

***Pathology 209. Tumor Pathophysiology and Transport Phenomenon**

Catalog Number: 5934

Rakesh K. Jain (Medical School)

Half course (fall term). M., 5:30–7:30 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 angiogenesis (formation of new blood vessels), blood flow and microcirculation, metabolism and microenvironment, transport and binding of small and large molecules, movement of cancer and immune cells, metastatic process, radiotherapy, chemotherapy, immunotherapy, hyperthermia, and photodynamic therapy of solid tumors.



Note: Given in alternate years. Offered by the HST Program as HT-525J and 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 thesis 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 Cell, Molecular, and Developmental Biology**

Catalog Number: 2245

Patricia A. D'Amore (Medical School) 1168

Topics cover areas of interest in cell, molecular, and developmental biology such as signal integration in the cell, biology of growth factors, and cell adhesion molecules. Different topics are covered each term.

Note: A series of reading and discussion seminars, each running for a half semester (seven weeks). Two seminars, which can be taken in different semesters, 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 432-0605 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. Interactions of Viral Oncoproteins and Cell Regulatory Molecules**

Catalog Number: 1644

Peter M. Howley (Medical School) 1076

***Pathology 304. Viral Carcinogenesis**

Catalog Number: 1283

Thomas L. Benjamin (Medical School) 4115

***Pathology 305. Oncology: Immunogenetics**

Catalog Number: 0277

Jeffrey L. Sklar (Medical School) 3528

***Pathology 306. Growth Regulation of Vascular Cells**

Catalog Number: 0220

Morris J. Karnovsky (Medical School) 2065

***Pathology 307. Polarity and Trafficking of Membrane Proteins in Epithelial Cells**

Catalog Number: 0874

Dennis Brown (Medical School) 1582



***Pathology 308. Genetic Models of Human Disease**

Catalog Number: 1918

Michael C. Carroll (Medical School) 2050

***Pathology 309. Characterization of Inflammatory Cytokines**

Catalog Number: 1076

Martin E. Dorf (Medical School) 4541

***Pathology 310. Cellular and Molecular Regulation of Vascular Development**

Catalog Number: 2653

Patricia A. D'Amore (Medical School) 1168

***Pathology 311. Multiprotein Complexes in Transcriptional Regulation**

Catalog Number: 5846

Grace Gill (Medical School) 1811

***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 315. Mechanisms for Cell Adhesion and Migration**

Catalog Number: 1212

Martin E. Hemler (Medical School) 2868

***Pathology 316. Control of Gene Expression in Tumorigenesis and Differentiation**

Catalog Number: 3892

Thomas M. Roberts (Medical School) 7729

***Pathology 317. Molecular Basis for Cancer Phenotypes**

Catalog Number: 4551

Lan Bo Chen (Medical School) 8057

***Pathology 318. Molecular Aspects of Immunoregulation and T-Cell Activation**

Catalog Number: 0126

Christopher E. Rudd (Medical School) 2310



***Pathology 319. Gene Regulation in the Immune Response**

Catalog Number: 1859

Anjana Rao (Medical School) 1854

***Pathology 320. Ultrastructural Cell Biology of Basophil, Mast Cells, Eosinophils, Neutrophils, and Endothelial Cells in Health and Disease**

Catalog Number: 4144

Ann M. Dvorak (Medical School) 1583

***Pathology 321. Signaling Mechanisms Regulating Cell Survival & Differentiation in the Nervous System**

Catalog Number: 8032

Azad Bonni (Medical School) 2923

***Pathology 322. Tumor Suppressor Proteins and Cell Cycle Control**

Catalog Number: 5815

Philip W. Hinds (Medical School) 1584

***Pathology 323. Viral Oncoproteins as Probes to Study the Regulation of Cell Growth and Differentiation**

Catalog Number: 6286

Karl Münger (Medical School) 1586

***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 326. Regulation of Mammalian Neurogenesis by the cdk5/p35 Kinase**

Catalog Number: 1563

Li-Huei Tsai (Medical School) 1639

***Pathology 327. Genetic Models of Leukemogenesis**

Catalog Number: 5534

A. Thomas Look (Medical School) 3771

***Pathology 330. Transcriptional Regulations and Cellular Differentiation**

Catalog Number: 5521

T. Keith Blackwell (Medical School) 1826

***Pathology 331. Molecular Biology of Endothelium: Transcriptional Regulation of Endothelial-Leukocyte Adhesion Molecules**



Catalog Number: 2609
Tucker Collins (Medical School) 1828

***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 334. Characterization of Tumor Suppressor Genes Implicated in Wilms Tumor and Breast Cancer**

Catalog Number: 5744
Daniel A. Haber (Medical School) 1832

***Pathology 336. Epithelial Cell Differentiation and Transformation**

Catalog Number: 3171
Towia A. Libermann (Medical School) 1833

***Pathology 337. Biochemistry of Cell Adhesion**

Catalog Number: 0555
Arthur M. Mercurio (Medical School) 2621

***Pathology 338. Genetic and Biochemical Analysis of GTPase-mediated Signal Transduction Pathways**

Catalog Number: 2647
Jeffrey E. Settleman (Medical School) 1820

***Pathology 339. Cell-Cell and Cell-Matrix Adhesion; Regulation of Apoptosis**

Catalog Number: 0205
Ivan Stamenkovic (Medical School) 1834

***Pathology 341. Phagocyte Development and Gene Regulation**

Catalog Number: 5036
Daniel G. Tenen (Medical School) 1172

***Pathology 343. Cell Adhesion in Vascular Biology**

Catalog Number: 4822
Denisa D. Wagner (Medical School) 2092

***Pathology 344. Transcription Factors in Lymphocyte Commitment and Differentiation**

Catalog Number: 5321
Katia Georgopoulos (Medical School) 2070

***Pathology 345. Vascular Interstitial Biology of Solid Tumors**

Catalog Number: 5633
Rakesh K. Jain (Medical School) 2079



***Pathology 346. Biochemistry of Gene Expression**

Catalog Number: 5912

Jeffrey D. Parvin (Medical School) 2084

***Pathology 347. Genetic, Molecular, and Cellular Analysis of Nervous System Function and Development**

Catalog Number: 7591

Anne C. Hart (Medical School) 1010

Pathology 348. Cell-cycle Regulation and Checkpoint Control During Animal Development, Using *C. elegans

Catalog Number: 7924

Sander Van Den Heuvel (Medical School) 2256

***Pathology 349. Mammalian Chromatin Structure and Gene Expression**

Catalog Number: 9199

William C. Forrester (Medical School) 1859

***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 353. Cell Cycle Proteins in Development and Cancer**

Catalog Number: 1475

Piotr Sicinski (Medical School) 2245

***Pathology 354. Biochemistry of Liquid-Receptor Interactions**

Catalog Number: 9969

Stephen C. Blacklow (Medical School) 1462

***Pathology 355. DNA Replication in Normal and Cancer Cells**

Catalog Number: 7108

Anindya Dutta (Medical School) 2023

***Pathology 356. Biochemical and Genetic Analysis of Chromatin and Transcription**

Catalog Number: 8837

Michael Pazin (Medical School) 2646

***Pathology 357. Regulation of Mammalian Cell Death**

Catalog Number: 2139

Stanley J. Korsmeyer (Medical School) 2839



***Pathology 358. Regulation and Coordination of Cell Interactions**

Catalog Number: 0527

Michel A. Streuli (Medical School) 2989

***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

Pharmacology

For courses pertaining to Pharmacology see listings under the Department of Biological Chemistry and Molecular Pharmacology.

Virology

Primarily for Graduates

[Virology 200. Animal Virology](#)

Catalog Number: 1190

James M. Cunningham (Medical School), Dana Gabuzda (Medical School), and Lee Gehrke (Medical School)

Half course (spring term). M., 1:30-3 and Tu or Th., 12:30-4.

Topics that will be covered in lectures include the replication strategies of RNA and DNA viruses, the principles of viral structure, and the cell biology of viral replication with special emphasis on viral entry, viral assembly, viral translational control mechanisms, and viral transformation. Other topics that will be covered include the mechanisms responsible for generating and maintaining diversity in RNA viral populations, viral immunology and pathogenesis, plant viruses, viroids, prions, antiviral chemotherapy, and the design and use of viral vectors. The lectures will be integrated with a weekly seminar series and with a discussion group in which students will critically evaluate one or more key papers in virology.

Note: Offered jointly with the Medical School as MG 723.0.

[Virology 201. Animal Virology: Seminar](#)

Catalog Number: 6025

Joseph G. Sodroski (Medical School, Public Health), Heinrich G.J. Gottlinger (Medical School), Jae Ung Jung (Medical School), Frederick C. Wang (Medical School), and Richard Owens



Snyder (Medical School)

Half course (fall term). W., 1:30–4:30.

Examines aspects of biological and molecular mechanisms by which animal viruses replicate in or interact with host cells and organisms. Topics chosen from viral entry into host cells, transcription of viral genes, replication of viral nucleic acids, transformation of cells, virus assembly, virus genetics, viral vectors, viral pathogenesis, antiviral agents, and host immune response.

Note: Offered jointly with the Medical School as MG 724.0.

Prerequisite: General background in biochemistry and virology.

Virology 202. Readings in Virology

Catalog Number: 6075 Enrollment: Limited to first year Virology Students

Max L. Nibert (Medical School) and Karl M n nger (Medical School)

Half course (fall term). W., 3–5. First Meeting Wednesday, September 12, 2001. EXAM GROUP: 8, 9

Students are divided into groups of four and will meet weekly with a member of the faculty. The objectives of this course are to develop and improve ability to: (1) critically read current relevant scientific literature. (2) understand the status of an area of research. (3) develop new hypotheses. (4) formulate experimental approaches to testable hypotheses. (5) design, execute, and critically evaluate experimental approaches using contemporary biochemical, genetic, and cell biologic technologies. (6) write and orally present scientific ideas, and (6) understand concepts in virology using Reo and Rota or Human Papilloma viruses as model systems.

Note: Weekly writing and oral presentations of either an article from the literature that is selected by the faculty or proposals based on laboratory rotations designed by the students. Students are required to take a laboratory rotation course in parallel with this course.

Graduate Courses of Reading and Research

***Virology 300r. Introduction to Research**

Catalog Number: 0530

Elliott D. Kieff (Medical School) 1858

***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 303. Enzymology of DNA Replication**

Catalog Number: 6716

Charles C. Richardson (Medical School) 2479



***Virology 304. Molecular Mechanisms by Which Kaposi's Sarcoma-Associated Herpes Virus Mediates Tumor Genesis**

Catalog Number: 8182

Kenneth M. Kaye (Medical School) 3064

***Virology 306. Structure and Function of Herpesvirus DNA Polymerase and the HIV Reverse Transcriptase; Resistance to Antiviral Drugs in Clinical Viral Isolates and Mechanisms of Resistance and Pathogenesis**

Catalog Number: 6968

Clyde S. Crumpacker II (Medical School) 1092

***Virology 307. Genetics and Biochemistry of Prokaryotic Transposable Elements and Yeast Meiotic Chromosome Metabolism**

Catalog Number: 6097

Nancy Kleckner 4697

***Virology 308. Molecular Genetics of Herpes Virus**

Catalog Number: 3000

Donald M. Coen (Medical School) 7617

***Virology 309. Human Oncogenic Viruses**

Catalog Number: 4011

Jack L. Strominger 1193

***Virology 310. Cellular Transformation by SV40**

Catalog Number: 0221

James A. DeCaprio (Medical School) 1296

***Virology 311. Molecular Biology of Epstein-Barr Infection**

Catalog Number: 0513

Frederick C. Wang (Medical School) 1297

***Virology 312. Molecular Biology of Epstein-Barr Virus Infection and Transformation of B-Lymphocytes**

Catalog Number: 3483

Elliott D. Kieff (Medical School) 1858

***Virology 313. Molecular Basis for Simian Virus Pathogenesis**

Catalog Number: 2528

Ronald C. Desrosiers (Medical School) 1874

***Virology 315. Mechanisms of Transcriptional Repression in Eukaryotic Cells**

Catalog Number: 0462

Yang Shi (Medical School) 3169



***Virology 316. Assembly of Human Immunodeficiency Virus Virions**

Catalog Number: 6353

Heinrich G.J. Gottlinger (Medical School) 1813

***Virology 317. Virology and Immunology of Human Retroviruses**

Catalog Number: 0954

Myron E. Essex (Public Health) 2499

***Virology 318. Structural Molecular Biology**

Catalog Number: 9250

Don C. Wiley 3598 (on leave 2001-02)

***Virology 319. Functional Analysis of Tumor Suppression Genes**

Catalog Number: 5817

David M. 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 M. 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. Fingerth (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**

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 2876

***Virology 327. Pathogenesis of Simian AIDS**

Catalog Number: 4138
Andrew A. Lackner (Medical School) 3797

***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. Advanced Topics in Virology**

Catalog Number: 5966
Alan M. Engelman (Medical School) 2196
A series of reading and discussion seminars, each running for a half semester (7 weeks). Two seminars, which can be taken in different semesters, 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 432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.
Prerequisite: Dependent on seminar.

***Virology 331. Hepatitis C and Related Viruses**

Catalog Number: 8965
Lee M. Kaplan (Medical School) 2490

***Virology 332. Protein Phosphorylation and Gene Expression in Normal and Transformed Cells**

Catalog Number: 9093
Raymond L. Erikson 7506

Medieval Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Medieval Studies



Michael McCormick, Professor of History (*Chair*) (*on leave 2001-02*)
 Eckehard Simon, Victor S. Thomas Professor of Germanic Languages and Literatures (*Acting Chair*)
 Thomas N. Bisson, Henry Charles Lea Professor of Medieval History
 Charles Donahue, Jr., Professor of Law (*Law School*)
 Daniel G. Donoghue, Professor of English and American Literature and Language
 John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature, Associate of Eliot House (*on leave 2002-03*)
 Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology, Associate of Adams House
 Jeffrey F. Hamburger, Professor of History of Art and Architecture
 Seamus Heaney, Ralph Waldo Emerson Poet in Residence
 Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art (*on leave spring term*)
 Thomas Forrest Kelly, Harvard College Professor and Morton B. Knafel Professor of the Humanities (*on leave spring term*)
 Angeliki E. Laiou, Dumbarton Oaks Professor of Byzantine History (*on leave 2001-02*)
 Roy Mottahedeh, Gurney Professor of History
 John E. Murdoch, Professor of the History of Science
 Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies
 Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science and of Women's Studies
 Christine Smith, Professor of Architectural History (*Design School*)
 Alfred Thomas, John L. Loeb Associate Professor of the Humanities, John L. Loeb Associate Professor of the Humanities
 Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

Other Faculty Offering Instruction in Medieval Studies

Beverly Mayne Kienzle, Professor of the Practice of Latin and Roman Languages (*Divinity School*)
 Roger E. Stoddard, Senior Lecturer on English

The standing committee on Medieval Studies exists in order to promote and coordinate work on medieval subjects broadly construed throughout the University, including Dumbarton Oaks in Washington, D.C., and I Tatti in Florence as well as the various faculties and departments in Cambridge. Working in cooperation with the student-faculty Medieval Society, it sponsors events and activities of interest to medievalists. Among its most important activities are the frequent meetings of the Medieval Studies seminar (Monday afternoons), the sporadic Special Seminars in Medieval Studies, and fostering the Medieval Studies Library in Widener. 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. No degree specifically in medieval studies is offered either on the undergraduate or on the graduate level, although it is possible to develop within many departmental programs an individual program emphasizing the medieval aspects of the field. A graduate student who wishes to follow an interdisciplinary doctoral program is required to enter and to work for at least a year in one of the regular departmental programs for the Ph.D. After a year, it is recommended that the student contact the



chair of the Committee on Medieval Studies for guidance as to the alternatives available in medieval studies. With the assistance of the Committee on Medieval Studies, the student may petition the Dean of the Graduate School for permission to work under the guidance of a specially appointed Ad Hoc Committee in a specific area of Medieval Studies. If this petition is approved, the Ad Hoc Committee will supervise the graduate student's program through the completion of the doctorate. 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 MSC's 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 101. The Auxiliary Disciplines of Medieval History: Proseminar]

Catalog Number: 3759

Michael McCormick

Half course (fall term). Hours to be arranged.

Familiarizes new scholars in art history, history, literature, and music with the research tools, techniques, and concepts required for advanced study of medieval evidence. "Medieval" ranges from Diocletian to the Renaissance, focusing on the Latin West but not neglecting Byzantium. Topics include general heuristics, hagiography, late and medieval Latin philology, late antique studies, numismatics, diplomatic, codicology, and an initiation to Latin paleography, from the 6th to the 17th century.

Note: Expected to be given in 2002–03.

[Medieval Studies 102. Intermediate Medieval Latin Palaeography and Manuscript Culture]

Catalog Number: 7124 Enrollment: Limited to 12.

Beverly Mayne Kienzle (Divinity School)

Half course (fall term). Hours to be arranged.

An introduction to Latin manuscripts and the historical and cultural context of their production and use. This course includes a practical initiation to Latin palaeography, frequent visits to the Houghton Library and opportunities to work with both actual manuscripts and facsimiles of famous manuscripts, practice in transcribing previously unedited texts and discussion of problems in textual criticism. Student presentations on current research in the history of Western manuscript culture.

Note: Expected to be given in 2002–03. Students will work with William P. Stoneman, Librarian of Houghton Library.

Prerequisite: A 100-level Latin course or the equivalent or instructor's permission.

[Medieval Studies 105. Production of Manuscripts and Printed Books Before 1600]

Catalog Number: 3251

Roger E. Stoddard and assistant

Half course (spring term). Hours to be arranged.

An examination of the physical structure and means of production of early manuscripts and



printed books based on examples in the Houghton Library.

Note: Expected to be given in 2002–03.

Medieval Studies 117. Constitutional and Legal History of Medieval England

Catalog Number: 5468

Charles Donahue, Jr. (Law School)

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

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 omitted in 2002–03. Normally alternates with History 1133. Offered concurrently, but with a separate section at the Law School.

[Medieval Studies 119. Constitutional and Legal History of Medieval Continental Europe]

Catalog Number: 4410

Charles Donahue, Jr. (Law School)

Half course (spring term). Hours to be arranged.

A survey of the main outlines of continental European constitutional and legal history from the fall of the Roman Empire to the “Rise of absolutism” at the beginning of the 17th century. Focuses on the main expressions of European legal culture over this long period of time. In each period an effort is made to relate the types of law produced to the social, political, and religious history of the period.

Note: Expected to be given in 2002–03.

Cross-listed Courses

Ancient Near East 121. History of the Study of the Hebrew Bible: From the Renaissance to the Present: Seminar

Arabic 245r. Classical Arabic Literature: Seminar

[Arabic 248r. Medieval Arabic Writings on Grammar: Seminar]

Celtic 107. Early Irish History

Celtic 113. Gaelic Women’s Poetry

Celtic 114. Early Irish Historical Tales

Celtic 138r. The Mabinogi

Celtic 150. Celtic Paganism

[Celtic 184. Early Irish Literature]

Celtic 200. Introduction to Old Irish

Celtic 201. Continuing Old Irish

[Celtic 203r. Middle Irish]

[Celtic 205r. Readings in Early Irish Prose]

[Celtic 208. Early Irish Society]

Celtic 226r. Readings in Middle Welsh

Celtic 230r. Sources for Medieval Welsh Culture and Society

Comparative Literature 111. From Type to Self in the Middle Ages



[Comparative Literature 112. Religion and Literature in the Middle Ages]

[*Comparative Literature 210. Comparative Themes in the Literatures of Medieval Spain: Seminar](#)

[*Comparative Literature 211. Mysticism and Literature: Seminar]

[*Comparative Literature 280. Literary Theory and Criticism in the Middle Ages: Seminar]

[*English 90cg. A Fascination with Purity: The Gawain Poet](#)

[*English 90cy. The Medieval Lyric](#)

[English 101. The History and Structure of the English Language](#)

[English 102. Early Bible Translations](#)

[English 103f. Anglo-Saxon Language and Culture: Before Love](#)

[English 115b. Chaucer: *The Canterbury Tales*](#)

[English 182b. Orality and Literacy: From *Beowulf* to Dylan \(and beyond\)](#)

[*English 209. Necessary Truths: Religious Ideology and Vernacular Politics in Late Medieval England](#)

[*English 296. Descriptive and Analytical Bibliography: Graduate Seminar](#)

[*English 300hf. Old and Middle English: Doctoral Conference](#)

[*Folklore and Mythology 103. Oral Literature](#)

[French 70a. Introduction to French Literature I: From the Middle Ages to Modernity](#)

[French 100. History of the French Language]

[French 102. Introduction to Medieval Literature and Old French]

[French 213. In Search of a Medieval Subject]

[French 214. *The Romance of the Rose* and Its Medieval Reception](#)

[Germanic Philology 200. Introduction to Middle High German](#)

[Germanic Philology 225. History of the German Language](#)

[Government 1060. The History of Ancient and Medieval Political Philosophy](#)

[Hebrew 171. The Problem of Language in Medieval Jewish Thought]

[Hebrew 174. Political Thought: Late Antiquity through the Middle Ages](#)

[Hebrew 176. Aristotle's *Ethics* in Medieval Jewish Thought]

[Hebrew 217. The Medieval Torah Commentary: A Practical Introduction: Seminar]

[Historical Study B-13. Charlemagne and the Birth of Medieval Civilization]

[History 10a. Western Societies, Politics, and Cultures: From Antiquity to 1650](#)

[*History 90a. Major Themes in Medieval History](#)

[History 1101. Medieval Europe]

[History 1111. World of Late Antiquity]

[History 1133. Medieval England (ca. 871–1485)]

[History 1141. Medieval Thought: Conference Course]

[History 1150. The Jews in Muslim and Christian Spain]

[History 1158. The Mediterranean in the Late Middle Ages, 1204–1500: Conference Course]

[History 1166. Family, Sex, and Marriage in Western Europe 1300-1700: Conference Course]

[History 1212. The Imperial System: Byzantine Society and Civilization, 8thc.-1204: Conference Course]

[History 1877b. History of the Near East, 1055–1517: Conference Course](#)

[History 1878a. Ottoman State and Society I (1300–1550)]



[*History 2101. Medieval Societies and Cultures: Proseminar](#)

[History 2122. Early Medieval History: Seminar: Communications in the Early Medieval Mediterranean]

[*History 2124. Medieval History: Seminar](#)

[History 2126. Medieval Law](#)

[History 2271r. Topics in Byzantine History: Seminar]

[History 2314. Research Methods in Renaissance History: Seminar](#)

[*History 2353 (formerly History 2251). Topics in Pre-Petrine History: Seminar]

[*History and Literature 97. Tutorial — Sophomore Year](#)

[History of Art and Architecture 12x. Introduction to Islamic Architecture (650-1650)]

[History of Art and Architecture 12y. Introduction to Islamic Art: Visual and Portable Arts in Context]

[History of Art and Architecture 14. Introduction to Early Medieval Art]

[History of Art and Architecture 15d. Introduction to Italian Renaissance Painting and Sculpture ca. 1260–1600](#)

[History of Art and Architecture 40. Court and Cloister in the Later Middle Ages](#)

[History of Art and Architecture 140r. Byzantine Art]

[History of Art and Architecture 146. The Illuminated Manuscript](#)

[History of Art and Architecture 240r. Byzantine Art](#)

[History of Art and Architecture 248. Vision, Visions and Visuality in Medieval Art](#)

[History of Art and Architecture 251r. Italian Art of the Renaissance: Seminar](#)

[History of Science 107. History of Medieval Science]

[History of Science 112. Medicine and Society in Medieval and Renaissance Europe](#)

[*History of Science 207r. Medieval Science: Seminar](#)

[History of Science 215. Science and Culture in Late Medieval and Renaissance 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](#)

[Italian 120a. Dante's *Inferno*]

[Italian 120d. Dante's *Purgatorio* and *Paradiso*]

[Italian 123. Semantics of Desire: The Erotic Theme in Dante's Poetry](#)

[Italian 140. The *Novella* from Boccaccio to the Storytellers of the 16th Century]

[Italian 144. Life and Comedy in the Renaissance](#)

[Italian 155. Machiavelli and Guicciardini]

[Italian 230. Petrarca and the Divided Self]

[Italian 235 (formerly 135). Boccaccio and the Birth of Novella]

[Italian 249. From Love to Madness: Orlando's Journey in Boiardo and Ariosto](#)

[Italian 256. Themes and Dreams of the Italian Renaissance]

[Latin 3m. Latin Prose Selections \(Medieval\)](#)

[Linguistics 168. Introduction to Germanic Linguistics]

[Linguistics 250. Old Church Slavonic](#)

[Literature and Arts A-26. Dante's *Divine Comedy* and Its World](#)

[Literature and Arts A-68. Poets and Poetry in the Celtic Literary Tradition]

[Literature and Arts A-78. The Vikings and the Nordic Heroic 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-22. European Culture in the Middle Ages](#)

[Literature and Arts C-25. The Medieval Stage](#)

[Literature and Arts C-28. Icon—Ritual—Text: Reading the Culture of Medieval Rus’]

[Literature and Arts C-43. The Medieval Court](#)

[Medieval Greek 125. Byzantine Religious Tales](#)

[Medieval Greek 285. The Literature of Iconoclasm](#)

[Medieval Latin 205. Waltharius Seminar]

[Medieval Latin 251 \(formerly Medieval Latin 151\). Virgil in the Middle Ages](#)

[Music 191r. Topics in Medieval and Renaissance Music: Proseminar](#)

[Music 191rr. Topics in Medieval and Renaissance Music: Proseminar](#)

[Music 205. Medieval Notation]

[Music 211r. Topics in Medieval Music: Seminar]

[Music 212r. Chant: Seminar](#)

[Music 213r. Topics in Medieval Polyphony: Seminar]

[*Music 214r. Renaissance Music: Seminar](#)

[Religion 1420. History of Ancient Christianity from the Beginnings to the 4th Century]

[Religion 1432. Theology of the Icon]

[*Scandinavian 200a. Introduction to Old Norse](#)

[Scandinavian 200br. Old Norse Literature: Edda and Saga](#)

[Slavic 130a. Heretics, Hussites, and Holy Women: Identity, Culture, and Society in](#)

[Medieval and Early-Modern Bohemia](#)

[Slavic 211. History of Muscovite Literature, 1400-1700: Conference Course]

[Slavic 280r. Slavic Culture: Seminar]

[Slavic 291. Problems in the History of Early Ukrainian Literature]

[Spanish 70a \(formerly Spanish 100a\). Hispanic Literature: The Middle Ages](#)

[Spanish 120. Medieval Spain in the Poem of the Cid](#)

[Spanish 201. The History of the Spanish Language]

Middle East Program

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Middle Eastern Studies



Cemal Kafadar, Vehbi Koc Professor of Turkish Studies (*Chair*)
 Eva Bellin, Associate Professor of Government
 Steven C. Caton, Professor of Contemporary Arab Studies
 Byron J. Good, Professor of Medical Anthropology (*Medical School*)
 William A. Graham, Jr., Albertson Professor of Middle Eastern Studies and Professor of the History of Religion
 William E. Granara, Professor of the Practice of Arabic
 Wolfhart P. Heinrichs, James Richard Jewett Professor of Arabic
 Michael Herzfeld, Professor of Anthropology (*on leave spring term*)
 Roy Mottahedeh, Gurney Professor of History
 Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art
 E. Roger Owen, A. J. Meyer Professor of Middle East History
 Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
 F. Engin Sezer, Associate Professor of Turkish
 Wheeler M. Thackston, Jr., Professor of the Practice of Persian and other Near Eastern Languages
 Frank E. Vogel, Assistant Professor of Law (*Law School*)
 Irene J. Winter, William Dorr Boardman Professor of Fine Arts

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 (A.M.): The program for this degree requires two years of study, leading to an A.M. 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, fine arts, or history. (*A joint program in economics exists, but students are not being accepted at the present time for this program. Students interested in the economic history of the Middle East should apply to the program in History and Middle Eastern Studies.*) A PhD in political science with a Middle Eastern specialization is offered through the Department of Government, and applications for this program should be made to that department. A candidate for a joint PhD degree is usually expected to have completed an A.M. program in Middle Eastern studies or another relevant field, at Harvard or elsewhere, prior to admission as a doctoral



candidate. Concurrent degrees are also offered in Islamic law and Middle Eastern and Islamic studies, which combine degree work in the Harvard Law School and the Faculty of Arts and Sciences. Joint or concurrent degrees with other departments and faculties are also 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: 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, Harvard College Professor and Gordon and Llura Gund Professor of Neurosciences (*Co-Chair*) (*on leave fall term*)
 Ken Nakayama, Edgar Pierce Professor of Psychology (*Co-Chair*)
 Mark G. Baxter, Assistant Professor of Psychology (*on leave spring term*)
 Robert M. Brain, Associate Professor of the History of Science (*on leave 2002-03*)
 Alfonso Caramazza, Professor of Psychology (*on leave 2001-02*)
 Susan E. Carey, Professor of Psychology
 Verne S. Caviness, Jr., Joseph P. and Rose F. Kennedy Professor of Child Neurology and Mental Retardation (*Medical School*)
 Patricia Deldin, Associate Professor of Psychology (*on leave 2002-03*)
 Kurt W. Fischer, Professor of Education (*Education*)
 Albert M. Galaburda, Professor of Neurology (*Medical School*)
 William M. Gelbart, Professor of Molecular and Cellular Biology
 Daniel T. Gilbert, Professor of Psychology (*on leave 2002-03*)
 Barbara J. Grosz, Higgins Professor of Natural Sciences
 David A. Haig, Associate Professor of Biology
 Anne Harrington, Professor of the History of Science (*on leave spring term*)
 Marc D. Hauser, Harvard College Professor and Professor of Psychology
 Richard G. Heck, Jr., Professor of Philosophy (*on leave spring term*)
 Jill M. Hooley, Professor of Psychology (*on leave 2002-03*)
 Pamela Kohl Keel, Associate Professor of Psychology (*on leave 2001-02*)
 Arthur Kleinman, Professor of Medical Anthropology in the Faculties of Medicine and Arts and Sciences
 Kenneth S. Kosik, Professor of Neurology (*Medical School*)
 Stephen M. Kosslyn, John Lindsley Professor of Psychology
 Edward A. Kravitz, George Packer Berry Professor of Neurobiology (*Medical School*)
 Richard J. McNally, Professor of Psychology (*on leave 2001-02*)
 Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
 Venkatesh N. Murthy, Assistant Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences
 Avrom J. Pfeffer, Assistant Professor of Computer Science on the Gordon McKay Endowment
 Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology
 Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value
 Daniel L. Schacter, Professor of Psychology
 Susanna Siegel, Assistant Professor of Philosophy (*on leave 2002-03*)
 Daniel J. Simons, John L. Loeb Associate Professor of the Social Sciences
 Garrett B. Stanley, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment
 Robert A. Stickgold, Assistant Professor of Psychiatry (*Medical School*)
 Mark Tramo, Assistant Professor of Neurology (*Medical School*)
 Daniel M. Wegner, Professor of Psychology (*on leave spring term*)
 Richard W. Wrangham, Ruth Moore Professor of Biological Anthropology



The Committee on Mind/Brain/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 ways large-scale neural circuits register sensory information and control behavior. The Committee coordinates the wide and varied course offerings that address methods, findings, and theory in neuroscience; helps students learn of opportunities with 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, five concentrations offer specialized tracks: Biology offers a Neurobiology track; Computer Science offers a Computational Neuroscience track; History and Science offers a Mind, Brain, and Behavioral Sciences track; Philosophy offers a Mind/Brain/Behavior track; Psychology offers Mind/Brain Behavior track clusters in Cognition/Brain/Behavior and Psychopathology; and Psychology also administers a Cognitive Neuroscience track, a joint program in Psychology and Biology. Foundation courses are required or recommended each year in all tracks so that students in the five concentrations can interact. The foundation courses include Science B-29, Evolution of Human Nature (first year); Biological Sciences 80, Behavioral Neuroscience (sophomore year); one of several designated seminars (junior year); and a research workshop (senior year). For the requirements of each track, consult www.mbb.harvard.edu/undergrad/Home.html.

The courses listed below address various facets of neuroscience or closely related material. Complete descriptions may be found under the various departments.

Core Courses: Quantitative Reasoning 22; Science B-29, B-44, B-48; Social Analysis 28.

Anthropology 250

Biology [174r].

Biological Sciences 57, 80.

MCB 117, [129], 138, 141, 186.

Computer Science 181, 182, [228], 281r, [282], 283, 285, [287r], [288].

Engineering Sciences 145, 148, 157, 218.

History of Science [144], 147, 151, 170r, 175, 176, [177], 178r, 270r, 271r, [275], [278].

Medical Sciences: BCMP 213; Genetics [214]; Neurobiology 200, [205], 206, 207, 209, 220, [221].

Philosophy 105, 156, 157y.



Psychology 13, 16, 18, 910r, 987a, [987b], 987c, 987f, 987g, 987h, 987i, 987j, 992, 1152, 1201, 1202, [1252], [1254], [1302], 1303, 1350, [1354], 1355, 1357, 1358, 1401, [1565], [1567], 1604, 1606, 1653, [1657], 1702, [1801], [1802], [1803], [1807], 1851, [1854], 1855, [1856r], 1860, 1861, 2220, 2230, 2240, 2253r, 2300r, [2335r], [2340], [2345r], 2353r, 2355r, [2480], 2482, [2551].

Additional course listings will appear in the booklet *Courses in Mind/BrainBehavior*.

Music

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Music

Thomas Forrest Kelly, Harvard College Professor and Morton B. Knafel Professor of the Humanities (*Chair*) (*on leave spring term*)

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music (*Acting Chair, spring term only*)

Reinhold Brinkmann, James Edward Ditson Professor of Music (*on leave fall term*)

Mauro Calcagno, Assistant Professor of Music (*on leave 2002-03*)

David E. Cohen, Associate of Dudley House, Assistant Professor of Music

Mario Davidovsky, Fanny P. Mason Professor of Music (*on leave fall term*)

David N. Fallows, Visiting Professor of Music (*University of Manchester*)

Joshua Fineberg, Assistant Professor of Music

Alexander J. Fisher, Lecturer on Music

Edward Gollin, Lecturer on Music

Robert D. Levin, Dwight P. Robinson, Jr. Professor of the Humanities (*Head Tutor*)

David Lewin, Walter W. Naumburg Professor of Music

Lewis Lockwood, Fanny Peabody Research Professor of Music

Jameson N. Marvin, Senior Lecturer on Music

Ingrid Monson, Quincy Jones Professor of African-American Music (*on leave fall term*)

Jeff William Nichols, Associate Professor of Music

Karen Painter, Associate Professor of Music (*Assistant Head Tutor*) (*on leave fall term*)

Bernard Rands, Walter Bigelow Rosen Professor of Music

Ruth A. Solie, Visiting Professor of Music (*Smith College*)

Kurt Stallmann, Assistant Professor of Music

Daniel Stepner, Preceptor in Music

John Stewart, Senior Preceptor in Music

Richard Wolf, Assistant Professor of Music (*Assistant Head Tutor*) (*on leave 2002-03*)



Christoph Wolff, William Powell Mason Professor of Music
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 semester. 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 Afro-American Studies, Core Curriculum, Folklore and Mythology, General Education, and Medieval Studies.

Primarily for Undergraduates

***Music Ar. Musicianship**

Catalog Number: 4859 Enrollment: Limited to concentrators; the Earlab is open to students concurrently taking another course in the Music Concentration Program.

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 of melodies. 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: 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. However, concentrators are urged to participate (unofficially) in the Earlab portion from the freshman year on.

Music 1a. Introduction to Music I

Catalog Number: 8071

Alexander J. Fisher

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

This course 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: Music 1a can be taken independently of Music 1b. No prerequisites; no prior knowledge of music is presumed.



Music 1b. Introduction to Music II

Catalog Number: 4952

Alexander J. Fisher

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 5

Music 1b continues the survey started in Music 1a, beginning with the transition from the Classical to the Romantic period. The course will explore the history of music in its stylistic and cultural contexts, including aspects of form, composition, social significance, and politics. Composers studied will 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 prerequisites; no prior knowledge of music presumed.

Music 2. Fundamentals of Music Theory I

Catalog Number: 0645 Enrollment: Limited to 48.

Joshua Fineberg

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Open to all students. Provides a practical foundation in basic skills of reading, writing and hearing of classical Western music. Teaching takes place in groups of 10-12, divided according to background, with full group lectures once every second week. While reading knowledge of simple musical notation is helpful, there will be at least one section for students with no previous experience.

Note: May not be counted for concentration. This course has been completely restructured.

Music 3. Fundamentals of Music Theory II

Catalog Number: 5805 Enrollment: Limited to 48.

Joshua Fineberg

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

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 twentieth-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: May not be counted for concentration credit. This course has been completely restructured.

Prerequisite: Music 2 or permission of the instructor.

Music 4. Introduction to Composition

Catalog Number: 2239 Enrollment: Limited to 16.

Jeff William Nichols

Half course (fall term). M., 2–4, W., at 2. EXAM GROUP: 7, 8

Open to students with little or no prior experience in composition. Explores phrase structure, harmony, counterpoint, and form in a variety of idioms through exercises and short compositions. Also covers basic principles of instrumentation and score preparation.

Note: May not be counted for concentration credit.

Prerequisite: Music 2 or equivalent or permission of the instructor.



Music 5. Intermediate Composition

Catalog Number: 2376

Michael Gandolfi

Half course (spring term). M., 2–4, W., at 2. EXAM GROUP: 7, 8

Continues the exploration of basic compositional principles begun in Music 4, but with a focus on strategies of large-scale organization in music. Students write three pieces during the semester, each exemplifying a different principle of formal structure (e.g. rondo, through composition, and “moment form”).

Note: May not be taken for concentration credit. May be taken independently of Music 4 with permission of the instructor.

***Music 51. Theory I**

Catalog Number: 3649

Edward Gollin (fall term) and John Stewart (spring term)

Full course. Tu., Th., at 1, and additional hours to be arranged. EXAM GROUP: 15

Elementary counterpoint and harmony; small forms and chorale harmonization. Concentration on written exercises, ear training, and keyboard.

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. In any case, concentrators should plan to meet this requirement by no later than the end of the sophomore year.

Prerequisite: Basic theory and ear training skills. For more specific information, consult instructor before the first class meeting.

***Music 91r. Supervised Reading and Research**

Catalog Number: 1298

Robert D. Levin 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 Department Administrator. May be counted for concentration *only* with the prior approval of the Department.

***Music 92r. Senior Project**

Catalog Number: 2744

Robert D. Levin 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 considering this course 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 semester.” 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 Department Administrator.

Note: May not be taken Pass/Fail. May not be counted for concentration.

***Music 97r. Tutorial—Sophomore Year: Music History and Repertory**

Catalog Number: 0113

Mauro Calcagno

Full course (indivisible). M., W., F., at 10, with additional meeting to be arranged.

For concentrators only. 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 and should be 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

Robert D. Levin 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

Robert D. Levin 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.

An investigation of choral literature of varying styles and genres with emphasis on conducting technique and score analysis.

Note: May not be counted for concentration.



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.

Development of the conductor's ear, analytical and interpretive skills, rehearsal techniques, and further development of conducting technique related to choral literature from the Renaissance through the 20th century.

Note: Expected to be given in 2002–03.

Prerequisite: Music 121a, Music 51, or conducting and musicianship background.

***Music 125a (formerly *Music 158a). Beginning Orchestration and Conducting**

Catalog Number: 8397

James D. Yannatos

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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. EXAM GROUP: 16, 17

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 2002–03.

Prerequisite: Music 125a, Music 154, and/or permission of the instructor.

***Music 154. Theory II**

Catalog Number: 4771

David E. Cohen

Full course. M., W., F., at 11. EXAM GROUP: 4

Tonal harmony, voice leading, and form in the late 18th century (fall term) and the 19th century (spring term), explored through analysis of selected works and compositional exercises. Fall term



includes an introduction to species counterpoint.

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

Edward Gollin

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Written work in the Palestrina Style.

Prerequisite: Music 154 or permission of instructor.

Music 156. Tonal Counterpoint

Catalog Number: 3930

Jeff William Nichols

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Written work in the Bach Style.

Prerequisite: Music 154 or equivalent.

Music 157x. Tonal Analysis

Catalog Number: 6830

Kurt Stallmann

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Detailed examination of representative tonal compositions.

Note: For undergraduates who have completed Music 154 or equivalent, and strongly recommended for incoming graduate students in composition and musicology.

Prerequisite: Music 154 or permission of instructor.

Music 157y. Analysis of 20th-Century Music

Catalog Number: 4397

Michael Gandolfi

Half course (spring term). Hours to be arranged.

Detailed examination of representative 20th-century compositions.

Prerequisite: Music 154 or permission of instructor.

***Music 160ar. Composition: Proseminar**

Catalog Number: 2685

Bernard Rands

Half course (fall term). Hours to be arranged. EXAM GROUP: 3, 4

Work in original composition. Weekly readings and critiques of student compositions. Aims for one concert of new works each term. Occasionally, short exercises given dealing with specific compositional problems.

Prerequisite: Music 154 or permission of instructor.

Music 160br. Composition: Proseminar

Catalog Number: 0949

Bernard Rands



Half course (spring term). Hours to be arranged.

Continuation of Music 160ar.

Prerequisite: Music 154 or permission of instructor.

Music 167r. Electro-Acoustic Composition

Catalog Number: 2357

Kurt Stallmann

Half course (fall term). W., 4–6. EXAM GROUP: 9

Composition and performance involving the electronic medium, analog and digital. Course work centers on projects realized in the electronic studio using synthesizers and computers and includes study of relevant aspects of acoustic and electronic theory. Compositions since 1948 in the genres of musique concrete, “pure” and “live” electronic music, music for instruments and tape and multi-disciplinary works are also studied. Computer music techniques such as synthesis, sampling, MIDI sequencing, digital recording and editing, and live performance techniques are also covered in this course.

Prerequisite: One course in music theory/composition or permission of the instructor.

[Music 178r. Performing Music: India, Iran and Zimbabwe]

Catalog Number: 6366 Enrollment: Limited to 14.

Richard Wolf

Half course (spring term). Hours to be arranged.

This course uses hands-on performance as a point of departure for examining tonal and rhythmic systems of selected musical cultures. Featured this semester are the special listening and performance challenges of three musical traditions: Persian classical, south Indian classical (Karnatak), and Zimbabwean mbira. Examinations include performance and listening; semester project may involve fieldwork, instrument making, or deeper research into one of the three traditions

Note: Expected to be given in 2002–03. Permission of instructor.

***Music 180r. Performance and Analysis: Seminar**

Catalog Number: 2294 Enrollment: By audition only, prior to the first meeting.

Robert D. Levin and Daniel Stepner

Half course (fall term; repeated spring term). M., 7–10 p.m.; additional meeting time 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 182. 17th- and 18th-Century Performance Practice**

Catalog Number: 1460

Robert D. Levin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Articulation, ornamentation, improvisation, and other stylistic domains are considered from the perspectives of historical evidence and modern performance.



Note: May be counted for music concentration credit for Music 192r.

Prerequisite: Music 154 or permission of instructor.

[Music 183 (formerly Music 183). 19th-Century and 20th-Century Performance Practice]

Catalog Number: 0117

Robert D. Levin

Half course (fall 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; the profound changes in the nature of articulation; dynamics; vibrato; virtuosity; performance techniques; the proliferation of myriad individual compositional styles; and the rapid technological developments in musical instruments are explored. Includes examination of contemporary treatises and performance styles. A dialogue between scholarship and performance is encouraged.

Note: Expected to be given in 2002–03. May be counted for music concentration credit for Music 193r.

***Music 190rr. Proseminar: Topics in World Music**

Catalog Number: 1312

Richard Wolf

Half course (fall term). F., 12–4:30. EXAM GROUP: 5, 6, 7, 8, 9

The Musical Cultures of Iran. Course focuses on classical, folk, and ritual based musical traditions of Iran using readings, recordings, and modest hands-on performance. Issues include the influence of Islam on the development and contexts for music, the codification of the radif system, relationships between “folk” and “classical” music, the connection between poetic and musical meters, and the life of Persian music in the Boston area. Students will be encouraged to supplement their understandings by taking up a Persian instrument (the department owns a set) and learning from musicians in the local Iranian community. Projects may be fieldwork or library based.

Note: By permission of instructor.

Music 190sr. Topics in World Music: Proseminar

Catalog Number: 5605

Deborah Pacini-Hernández

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

/iLatino Popular Music./n Course surveys the production, dissemination and consumption of the most important forms of popular music - e.g. mambo, boogaloo, salsa, conjunto, corrido and banda, to contemporary rock and rap - listened to and danced by U.S. Latinos from World War I to the present. Course work examines the historical and social contexts from which these musical forms have emerged, highlighting the intricate relationship between popular music, migration and the formation of social and cultural identities.

Music 191r. Topics in Medieval and Renaissance Music: Proseminar

Catalog Number: 2524

Mauro Calcagno

Half course (fall term). Tu., 10–11:30. EXAM GROUP: 12, 13

The Madrigal, 1530-1640. An investigation of the secular genre that best embodied the



aristocratic ideals of the Renaissance, and made Italy the leader of the European musical scene. Consideration of the artistic, social, and political contexts in which the madrigal developed in cities such as Florence, Rome, Venice, Mantua, Ferrara, and Naples. Focus on composers such as Arcadelt, Willaert, Marenzio, Rore, Gesualdo, and Monteverdi, and their musical “readings” of poems by Petrarch, Tasso, Ariosto, and others. Survey of the English madrigal during the Elizabethan age, including Morley, Weelkes, and Wilbye. Issues of performance, gender, subjectivity, and the role of the printing press in the rise of the genre.

Note: For music concentrators or by permission of instructor.

Music 191rr. Topics in Medieval and Renaissance Music: Proseminar

Catalog Number: 5698

David N. Fallows (University of Manchester)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The Music of Jean Ockeghem.

Note: For music concentrators or by permission of instructor.

Music 192r. Topics in Music from 1600-1800: Proseminar

Catalog Number: 2944

Jen Yen Chen

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

Mozart’s Vienna. Examines the music and culture of Vienna during the years of Mozart’s residence (1781-1791). A selection of the important masterworks composed by Mozart during this decade will be closely studied, and consideration will also be given to the music of other leading composers active in Vienna in this period (Salieri, Hofmann, Vanhal, et al.). The notion of a “High Classical” style which reached its maturity at this time, as well as the impact upon musical life of political and social developments such as the Enlightenment policies of Emperor Joseph II and the increasingly important role of an emergent bourgeois class in the patronage of music, will be investigated with a view to developing a comprehensive view of a distinctive musical culture.

Music 192rr (formerly Music 192r). Topics in Music from 1600-1800: Proseminar

Catalog Number: 3375

Christoph Wolff

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

A critical study of Mozart’s “Die Zauberflöte” and its context: musical, literary, dramaturgical, and philosophical issues.

Note: For music concentrators or by permission of instructor.

Prerequisite: Music 51.

Music 193r. Topics in Music from 1800 to the Present: Proseminar

Catalog Number: 3741

Karen Painter

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Mahler in Context. This seminar will examine the major works of Gustav Mahler (symphonies and songs), exploring their break from traditions of the 19th century and influence on



compositional developments in the 20th century. A range of theoretical models (narrative, film theory, cultural criticism) will be developed in the interpretation and analysis of the music.

Music 193rr. Topics in Music from 1800 to the Present: Proseminar

Catalog Number: 2618

Edward Gollin

Half course (spring term). Th., 10–12. EXAM GROUP: 12, 13

The Music of Béla Bartók. The course will explore the work of Béla Bartók from a variety of perspectives: analytical, ethnomusicological, compositional. We will consider Bartók's collection and transcription of folk music and its relation to his own compositions, as well as examine the influence of contemporary Western art music (e.g. Strauss, Scriabin, Debussy, Ravel).

Note: Offered for both undergraduate music concentration credit and graduate credit.

Prerequisite: Music 51; Music 154 (may be taken concurrently).

[Music 194r (formerly Music 190r). Special Topics: Proseminar]

Catalog Number: 2846

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Cross-listed Courses

Literature and Arts B-51. First Nights: Five Performance Premieres

[Literature and Arts B-54. Chamber Music from Mozart to Ravel]

[Literature and Arts B-64. The Symphonic Century: Orchestral Music from 1820 to 1914]

Literature and Arts B-65. Music in *Fin-de-siècle* Vienna: The Origins of Modernism

Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World

Literature and Arts B-80. The Swing Era

[*Visual and Environmental Studies 151cr. Timelines: Sound and the Moving Image: Studio Course]

Primarily for Graduates

***Music Bhf. Exercises in Tonal Writing and Analysis**

Catalog Number: 3045

Edward Gollin

Half course (throughout the year). Hours to be arranged.

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 201. Current Methods in Musicology

Catalog Number: 3973

Richard Wolf (fall term) and Christoph Wolff (spring term)

Full course. Fall: Th., 10-12; Spring: M., 2-4. EXAM GROUP: Fall: 12, 13; Spring: 7, 8



An introduction to scholarship, drawing upon the history, theoretical frameworks, and the working methods of historical musicology and ethnomusicology. Fall semester focuses on the introduction to the 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. The spring semester focuses on issues of musical biography, autobiography, and the multi-faceted problems of the relationship between life and works, based on representatives 17th and 18th century examples.

Note: Either semester may be taken independently by students from other departments with permission of the instructor.

[Music 203. Primary Musical Sources at Harvard]

Catalog Number: 5657

Christoph Wolff

Half course (spring term). Hours to be arranged.

A critical examination of manuscript and printed scores, parts, and tablatures, letters and other musical documents from the 14th to the 20th centuries in the Houghton and Isham Libraries.

Note: Expected to be given in 2002–03.

[Music 205. Medieval Notation]

Catalog Number: 4440

Thomas Forrest Kelly

Half course (fall term). Hours to be arranged.

A survey of Western musical notation to 1400.

Note: Expected to be given in 2002–03.

[Music 206r. Research Methods in Ethnomusicology: Seminar]

Catalog Number: 6891

Kay Kaufman Shelemay

Half course (spring 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 2002–03. Individual research project required.

[*Music 207r. Ethnomusicology: Seminar]

Catalog Number: 2149

Richard Wolf

Half course (spring term). Hours to be arranged.

Ethnomusicology of Space and Time. Plumbs theoretical literature in ethnomusicology and allied disciplines on music's role in making and feeling space, place and time. Indian and Pakistani case studies used as illustrations, but readings are not limited historically or geographically.

Note: Expected to be given in 2002–03. Permission of instructor.

Music 208r. Ethnomusicology: Seminar

Catalog Number: 2232

Kay Kaufman Shelemay



Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Music and Memory. An ethnomusicological approach to the study of memory, focusing on the musical construction of remembrance.

Note: Permission of instructor required for undergraduates.

Music 209r. Ethnomusicology: Seminar

Catalog Number: 4022

Ingrid Monson

Half course (spring term). M., 10–12. EXAM GROUP: 3, 4

Music of Africa and the African Diaspora: Intersections of Race, Gender, Culture and Performance. Musics from West Africa, South Africa, the Caribbean, and the United States are explored with particular attention to how race, ethnicity, and gender inflect one another in the performance and reception of music and dance from Africa and the African diaspora. This seminar emphasizes an interdisciplinary approach to cultural analysis and will include approaches drawn from the fields of ethnomusicology, African and African American studies, gender studies, anthropology and postcolonial studies.

Note: Permission of instructor required for undergraduates.

[Music 211r. Topics in Medieval Music: Seminar]

Catalog Number: 4433

Thomas Forrest Kelly

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Music 212r. Chant: Seminar

Catalog Number: 4984

Leo Treitler (City University of New York)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

Getting to Know Medieval Song. Historical/critical studies of liturgical change, sacred song and secular song traditions of the medieval West. Performance and the means of transmission--oral and written--will be major considerations. The seminar will work throughout toward an awareness of what it is to try to know the music and musical practice and thought of a culture so distant from our own.

Note: Permission of instructor required for undergraduates.

Prerequisite: Permission of instructor required for undergraduates.

[Music 213r. Topics in Medieval Polyphony: Seminar]

Catalog Number: 5802

Thomas Forrest Kelly

Half course (spring term). Hours to be arranged.

Major repertoires in early polyphony: Winchester, Saint Martial, Notre Dame. The study of liturgical practice, style, notation, and repertory content in early but substantial repertoires.

Note: Expected to be given in 2002–03.

***Music 214r. Renaissance Music: Seminar**

Catalog Number: 7825



David Fallows (University of Manchester, UK)

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Josquin des Prez.

Note: Permission of instructor required for undergraduate concentrators.

Music 215r. Baroque: Seminar

Catalog Number: 6817

Christoph Wolff

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Bach's B-Minor Mass and related repertoire: a critical examination of primary sources, compositional techniques, stylistic issues, and historical aspects.

Music 215rr. Baroque: Seminar

Catalog Number: 5057

Mauro Calcagno

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Opera in Venice, 1637-1678. The roots of modern operatic experience: relationships between composers and librettists, text and music, plots and their sources, theaters and audiences.

[Music 216r. 18th-Century Music: Seminar]

Catalog Number: 6868

Half course (spring term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2002–03.

Music 217r. 19th-Century Music: Seminar

Catalog Number: 3702

Ruth Solie

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Historiography of Music. Emphasis on musicological attitudes toward and treatments of the 19th century as a period in music history.

Note: Permission of instructor required for undergraduate concentrators.

[Music 218r (formerly Music 218rr). 20th-Century Music: Seminar]

Catalog Number: 0774

Reinhold Brinkmann

Half course (spring term). Hours to be arranged.

Music and Fascist Ideology.

Note: Expected to be given in 2002–03. Permission of instructor required for undergraduate concentrators.

Music 219r (formerly Music 219br). 19th and 20th Century Music: Song (Lied, mélodie) from Schubert Through Ives

Catalog Number: 2275

Reinhold Brinkmann (spring term) and Karen Painter (fall term)



Half course (fall term; repeated spring term). Fall: Tu., 1–3; Spring: W., 3–5. EXAM GROUP: Fall: 15, 16; Spring: 8, 9

Opera in the 20th Century. Seminar will explore a range of operas from different compositional and aesthetic schools --Strauss's *Elektra*, Pfitzner's *Palestrina*, Berg's *Wozzeck*, Hindemith's *Mathis der Maler*, Birtwistle's *Punch and Judy*, Betsy Jolas's *Schliemann*, and Adam's *Nixon in China*. Seminar presentation may focus on recent productions of the traditional repertoire.

Music 220ar. History of Music Theory: Seminar

Catalog Number: 2119

David E. Cohen

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Music Theory from the Italian Renaissance to the French Enlightenment. History of music theory from the period of the Italian Renaissance (c. 1500) to the earlier treatises of Rameau (1720's). Counterpoint, thoroughbass, triadic harmony. Modes and keys. Speculative theory and acoustics. Influences from Humanism and the Scientific Revolution.

Music 220br. History of Music Theory: Seminar

Catalog Number: 1580

David E. Cohen

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Music Theory from Rameau to Riemann. History of music theory from Rameau in the mid-eighteenth century through Hugo Riemann (c. 1900). Theories of harmony, melody, form, meter, and rhythm, and aesthetics. Influences from contemporary philosophy and science.

[Music 222ar. Schenkerian Analysis I]

Catalog Number: 4055

David E. Cohen

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

[Music 222br. Schenkerian Analysis II]

Catalog Number: 0593

David E. Cohen

Half course (spring term). Hours to be arranged.

Continuation of Music 222ar.

Note: Expected to be given in 2002–03.

Prerequisite: Music 222ar or permission of instructor.

Music 230ar. Topics in Music Theory I

Catalog Number: 5712

David Lewin

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

Music and Text.

Music 230br. Topics in Music Theory II

Catalog Number: 6696



David Lewin

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

Music and Text.

***Music 261r (formerly *Music 268r). Composition: Seminar**

Catalog Number: 3326 Enrollment: Limited to 10.

Bernard Rands

Full course (indivisible). Hours to be arranged.

Note: Open only to students prepared for work in original composition.

***Music 262r (formerly *Music 269r). Composition: Seminar**

Catalog Number: 4457 Enrollment: Limited to 10.

Mario Davidovsky

Full course (indivisible). Hours to be arranged.

Note: Open only to students prepared for work in original composition.

Music 264r. Electronic Music Composition: Seminar

Catalog Number: 1939

Mario Davidovsky

Full course (spring term). Hours to be arranged.

Intensive work in computer music concentrating on the application of traditional electronic techniques in the computer realm. Includes use of UNIX-based software synthesis tools cmix and csound, and the real-time mixing program, RT.

Prerequisite: Previous knowledge of electronic music techniques, or permission of instructor.

Music 265r. Orchestration

Catalog Number: 2379 Enrollment: Limited to 8.

Joshua Fineberg

Half course (fall term). Th., 1–4. EXAM GROUP: 15, 16, 17

This course focuses on composing for orchestral instruments in large ensembles and orchestras.

It alternates classroom meetings and practical sessions with instrumentalists.

Note: Open to composition graduate students, or by permission of instructor.

[Music 270r. Special Topics]

Catalog Number: 3727

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

[Music 271r. Fromm Seminar in Composition]

Catalog Number: 1311

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.



Music 272r. Special Topics

Catalog Number: 2059

Joshua Fineberg

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

The Emancipation of Timbre. Seminar on the role of timbre in contemporary music. Focus is on music since 1970; some time will be spent on sound perception and analysis. It also deals with timbre in the common-practice and modernist repertoires.

Graduate Courses of Reading and Research

***Music 300. Reading and Research for Advanced Students**

Catalog Number: 2504

Reinhold Brinkmann 7971, David E. Cohen 1714, Mario Davidovsky 1146, Joshua Fineberg 3749, Thomas Forrest Kelly 1324, Robert D. Levin 3482, David Lewin 1238, Ingrid Monson, Karen Painter 3615, Bernard Rands 1900, Kay Kaufman Shelemay 3483, Kurt Stallmann 2453, Richard Wolf 1386, and Christoph Wolff 4532

Individual work on specific topics not included in the announced course offerings.

***Music 301. Reading and Research**

Catalog Number: 6543

Reinhold Brinkmann 7971 (on leave fall term), David E. Cohen 1714, Mario Davidovsky 1146 (on leave fall term), Joshua Fineberg 3749, Thomas Forrest Kelly 1324 (on leave spring term), David Lewin 1238, Lewis Lockwood 7099 (fall term only), Jeff William Nichols 1456 (fall term only), Karen Painter 3615 (on leave fall term), Bernard Rands 1900, Kay Kaufman Shelemay 3483, Kurt Stallmann 2453, Richard Wolf 1386 (on leave 2002-03), and Christoph Wolff 4532

Individual work in preparation for the General Examination for the Ph.D. degree.

Note: May not be counted toward course requirements for Ph.D. degree.

***Music 309. Doctoral Colloquium**

Catalog Number: 2260

Kay Kaufman Shelemay

Half course (spring term). Th., 2–4.

***Music 310. Direction of Doctoral Dissertations**

Catalog Number: 1819

Reinhold Brinkmann 7971 (on leave fall term), Mario Davidovsky 1146 (on leave fall term), Thomas Forrest Kelly 1324 (on leave spring term), Robert D. Levin 3482, David Lewin 1238, Lewis Lockwood 7099 (fall term only), Ingrid Monson 1591 (on leave fall term), Bernard Rands 1900, Kay Kaufman Shelemay 3483, and Christoph Wolff 4532

Note: May not be counted toward course requirements for the Ph.D. degree.



Near Eastern Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Near Eastern Languages and Civilizations

William A. Graham, Jr., Albertson Professor of Middle Eastern Studies and Professor of the History of Religion (*Chair*)

Irit Aharony, Preceptor in Modern Hebrew

Gary Anderson, Professor of Hebrew Bible (*Divinity School*)

James Alan Armstrong, Lecturer

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Culture

Paul-Alain Beaulieu, Associate Professor of Assyriology

David Braun, Preceptor in Yiddish

J. F. Coakley, Senior Lecturer on Near Eastern Languages and Civilizations

Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy

Ayman A. El-Desouky, Preceptor in Modern Arabic

John Lee Ellison, Teaching Fellow in Semitic Philology, Preceptor in Semitic Philology

Isaiah M. Gafni, Gerard Weinstock Visiting Professor of Jewish Studies (*Hebrew University*)

William E. Granara, Professor of the Practice of Arabic (*Director of Undergraduate Studies*)

Jo Ann Hackett, Professor of the Practice of Biblical Hebrew and Northwest Semitic Epigraphy (*on leave 2001-02*)

Paul D. Hanson, Florence Corliss Lamont Professor of Divinity (*Divinity School*)

Jay M. Harris, Harvard College Professor and Harry Austryn Wolfson Professor of Jewish Studies

Wolfhart P. Heinrichs, James Richard Jewett Professor of Arabic (*Director of Graduate Studies*)

John Huehnergard, Professor of Semitic Philology (*on leave 2001-02*)

Miri Kubovy, Professor of the Practice of Near Eastern Languages and Civilizations

James L. Kugel, Harry Starr Professor of Classical and Modern Jewish and Hebrew Literature and Professor of Comparative Literature

Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)

Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages (*on leave spring term*)

Susan G. Miller, Senior Lecturer on Islamic Civilizations (*on leave spring term*)

Laila Parsons, Lecturer on Islamic Civilizations

James R. Russell, Mashtots Professor of Armenian Studies

John S. Schoeberlein, Director, Central Asia Forum, Lecturer on Central Asian Studies

Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization (*on leave fall term*)

F. Engin Sezer, Associate Professor of Turkish

P. Oktor Skjaervo, Aga Khan Professor of Iranian

Lawrence E. Stager, Dorot Professor of the Archaeology of Israel

Piotr Steinkeller, Professor of Assyriology

Sinasi Tekin, Senior Lecturer on Turkish

Wheeler M. Thackston, Jr., Professor of the Practice of Persian and other Near Eastern Languages



Rina Winkelman, Preceptor in Modern Hebrew
Irene J. Winter, William Dorr Boardman Professor of Fine Arts
Robert Wisnovsky, Assistant Professor of Islamic Intellectual History
Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature (*on leave spring term*)

Other Faculty Offering Instruction in the Department of Near Eastern Languages and Civilizations

Cemal Kafadar, Vehbi Koc Professor of Turkish Studies
Roy Mottahedeh, Gurney Professor of History
E. Roger Owen, A. J. Meyer Professor of Middle East History
Richard James Saley, Honorary Associate

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 90a. The Near East in the Mind of America](#)

Catalog Number: 7077 Enrollment: Limited to 20.

James R. Russell

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The course will consider Hinduism, Egyptomania, travel to the Land of Israel, Zoroastrian dualism, and Persian Sufi mystical poetry and thought in the works of Poe, Melville, Emerson, Thoreau, and Whitman, with discussion of utopian and millenarian communities and the theosophical movement.

Note: This course can function as a Junior Tutorial.

[*Near Eastern Civilizations 91r. Supervised Reading and Research](#)

Catalog Number: 1132

William E. Granara 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

William E. Granara and members of the Department

Half course (spring term). M., 4:30–6:15. EXAM GROUP: 9

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

William E. Granara and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Designed for juniors concentrating in Near Eastern Languages and Civilizations.

***Near Eastern Civilizations 99r. Tutorial — Senior Year**

Catalog Number: 6623

William E. Granara and members of the Department

Full course. Hours to be arranged.

Note: Designed for seniors concentrating in Near Eastern Languages and Civilizations.

Primarily for Graduates

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, and Jon D. Levenson (Divinity School) 2264

Half course (fall term; repeated spring term). To be arranged.

***Near Eastern Civilizations 390. Direction of Doctoral Dissertation**

Catalog Number: 3041

Ali S. Asani 7739, Paul-Alain Beaulieu 3708, William A. Graham, Jr. 4156, William E. Granara 1054, Jo Ann Hackett 2389 (on leave 2001-02), Paul D. Hanson (Divinity School) 1394, Jay M. Harris 2266, Wolfhart P. Heinrichs 4988, John Huehnergard 7697 (on leave 2001-02), James L. Kugel 7575, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812 (on leave spring term), James R. Russell 3411, Bernard Septimus 7160 (on leave fall term), F. Engin Sezer 2833, P. Oktor Skjaervo 2869, Lawrence E. Stager 1468, Piotr Steinkeller 7337, Wheeler M. Thackston, Jr. 4004, Robert Wisnovsky 2229, and Ruth R. Wisse 3177 (on leave spring term)

Ancient Near Eastern and Biblical Studies

See also below under Akkadian and Sumerian, Aramaic, Hebrew, and Semitic Philology.

For Undergraduates and Graduates



Ancient Near East 100. History of the Ancient Near East: Mesopotamia

Catalog Number: 0702

Paul-Alain Beaulieu

Half course (spring term). Tu., Th., at 12 or 1. EXAM GROUP: 5, 6

Surveys the political and cultural history of Mesopotamia from c. 4000 B.C.

Note: Offered jointly with the Divinity School as 1115.

Ancient Near East 101. Introduction to Mesopotamian Archaeology

Catalog Number: 1245

James Alan Armstrong

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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 will be 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). Hours to be arranged.

A survey of the sources, data, and principal concerns. A selection of texts are read in translation.

Note: Expected to be given in 2002–03. 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). Hours to be arranged.

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 2002–03. Offered jointly with the Divinity School as 1118.

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. Some acquaintance would be desirable, though not required, of Biblical and ancient Near Eastern history and one of its languages, and of a modern research language such as French or German.

Note: Offered jointly with the Divinity School as 1427.



[Ancient Near East 109r. History and Historiography in the Ancient Near East: Seminar]

Catalog Number: 1822

Lawrence E. Stager and Peter Machinist

Half course (spring term). Hours to be arranged.

Topic for 2002-2003: The Aramaeans, particularly in the pre-Hellenistic Near East. We will examine issues of political history, economy, society, language, religion, art, and material culture, involving the interplay of textual and non-written archaeological sources.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 1822.

Ancient Near East 114. The Archaeological History of Egypt

Catalog Number: 7208

Peter Der Manuelian

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

This historical survey course will focus on ancient Egyptian civilization (3,000 -332 B.C.), emphasizing the material culture discovered along the banks of the Nile: pyramids, temples, tombs, settlements and cities. We will follow a chronological path through the New Kingdom (1050 B.C.), with excursions into art, politics, hieroglyphs, and the development modern Egyptology. Field trips to the Museum of Fine Arts, and possible opportunities to contribute to the MFA's new Giza Archives Project will be included.

[Ancient Near East 115. Archaeology of the Levant (Syria-Palestine)]

Catalog Number: 2813

Lawrence E. Stager and Ofer Bar-Yosef

Half course (fall term). Hours to be arranged.

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. This course will have a lab section.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 1420.

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. This course will have a lab session to be arranged.

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: Offered jointly with the Divinity School as 1862. This course will have a lab session to be arranged.

Ancient Near East 120. Introduction to the Hebrew Scriptures

Catalog Number: 6544

Michael Coogan

Half course (fall term). F., 11–1, and an additional hour to be arranged. EXAM GROUP: 4, 5

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 121. 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

Within the framework of a broad survey of Hebrew biblical scholarship since the Renaissance, the course focuses on particular scholars and their representative and seminal works. The central theme is the emergence of a historical-critical understanding of the Bible and the elaborations of and reactions to this understanding.

Note: Offered jointly with the Divinity School as 1425.

Prerequisite: Graduate status with background in the study of Hebrew Bible. Also, Biblical Hebrew and at least one of the following: French, German, or Modern Hebrew.

Ancient Near East 122. Biblical Interpretation

Catalog Number: 4289

Paul D. Hanson (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Topic for 2001-02: The Book of Isaiah. The biblical book of Isaiah will be studied with attention to historical setting, major themes, literary characteristics, and place in history of ancient Israelite religion. The class will also consider the ways in which this biblical writing continues to play a role in contemporary religious and political thought and action.

Note: Offered jointly with the Divinity School as 1413.

Prerequisite: Old Testament Introduction or equivalent.

[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 2002–03. Offered jointly with the Divinity School as 1110.

[Ancient Near East 127. Prophecy in Ancient Israel]

Catalog Number: 6739

Peter Machinist

Half course (spring term). Hours to be arranged.

A study of the phenomenon and history of Israelite prophecy, as recorded in the Hebrew Bible, in the light of prophecy elsewhere in the ancient Near East and in other cultures. Pertinent sociological, literary, and religious issues are explored.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1125.

Ancient Near East 131. Readings in the Septuagint

Catalog Number: 3661

Richard James Saley

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Aims to increase facility with Septuagint Greek by reading representative portions (predominantly prose) 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 134. Genesis: Narrative Artistry and Theological Meanings

Catalog Number: 3291

Jon D. Levenson (Divinity School)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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 on literary and religious rather than historical and editorial issues.

Note: Offered jointly with the Divinity School as 1417.

Prerequisite: Ancient Near East 120.

[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 2003–04. Offered jointly with the Divinity School as 1150/2470.

Prerequisite: Ancient Near East 120 or equivalent.

[Ancient Near East 138. The Bible and Politics]

Catalog Number: 8073



Paul D. Hanson (Divinity School)

Half course (spring term). Hours to be arranged.

Political models found in the Hebrew Bible; the role of biblical traditions in the development of church-state relations in the history of the U.S.; the possibility of a suitable political theology within the context of contemporary religion and politics.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 1465/2529.

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 235x. Art of the Royal Tombs of Ur](#)
[Literature and Arts A-70. The Book of Job and the Joban Tradition](#)**

[Literature and Arts C-37. The Bible and Its Interpreters]

Primarily for Graduates

[Ancient Near East 210. Textual Criticism of the Hebrew Bible: Seminar]

Catalog Number: 5492

Richard James Saley

Half course (fall term). Hours to be arranged.

Focus is on the art of recovering/reconstructing the text of the Hebrew Bible on the basis of Hebrew and Greek manuscripts as well as other early textual witnesses.

Note: Expected to be given in 2002–03. 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 (spring term). Hours to be arranged.

Topic for 2004-05: To be announced.

Note: Expected to be given in 2004–05. Conducted in the Harvard Semitic Museum Laboratory.

[Ancient Near East 221. The Hebrew Bible/ Old Testament in Its Communities of Interpretation: Seminar]

Catalog Number: 8392

Gary Anderson (Divinity School) and Jon D. Levenson (Divinity School)

Half course (spring term). Hours to be arranged.

An examination of selected methodological issues involved in the study of the Hebrew Bible/ Old Testament, such as the value and limitations of traditional Christian and Jewish modes of study, the relationship of the history of religion and historical criticism to theological affirmation, and the treatment of the Hebrew Bible/ Old Testament as a literary classic.



Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1800.

Prerequisite: At least two courses in Hebrew Bible/ Old Testament.

[Ancient Near East 236. Biblical Theology: Seminar]

Catalog Number: 7022

Paul D. Hanson (Divinity School)

Half course (spring term). Hours to be arranged.

An examination of resources within the Bible for the construction of contemporary political theology.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 1801/2471.

Prerequisite: Ancient Near East 120 or equivalent.

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 (on leave 2001-02), Peter Machinist 2812 (on leave spring term), and Piotr Steinkeller 7337

***Ancient Near East 330. Reading and Research in Biblical Studies**

Catalog Number: 1524

Gary Anderson (Divinity School) 1771, Jo Ann Hackett 2389 (on leave 2001-02), Paul D. Hanson (Divinity School) 1394, James L. Kugel 7575, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812 (on leave spring term), and Lawrence E. Stager 1468

Postbiblical Jewish Studies

See also below under Aramaic, Hebrew, and Yiddish.

For Undergraduates and Graduates

[Jewish Studies 111. Modern Jewish Thought]

Catalog Number: 5461

Jay M. Harris

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2002–03. Offered jointly with the Divinity School as 3682.



Jewish Studies 114. Modern Hebrew Literature in Translation

Catalog Number: 0343

Shachar Mordechai Pinsker

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

This course traces the vibrant history of Modern Hebrew Literature from its emergence during the 1880's in Eastern-Europe to its proliferation in contemporary Israel. We will study the literature and its complex relations with historical, social and cultural shifts in Modern Jewish society, and its contacts with various literary trends such as Realism, Romanticism and Modernism. The writers we will read include Abramovitz, Bialik, Brenner, Baron, Agnon, Goldberg, Yizhar, Yehoshua and other, less-known writers.

Note: Offered jointly with the Divinity School as 3685.

Jewish Studies 120. Gender and Identity in Modern Hebrew Literature and Culture

Catalog Number: 3419

Shachar Mordechai Pinsker

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

This course examines the construction of gender in Modern Hebrew literature. Topics include: the changing images of femininity and masculinity, the relations between national, cultural and gender identity, and the place of women as writers and subjects in Jewish and Israeli culture. We will discuss a variety of stories, novels, poems and films from early 20th century Europe to present-day Israel.

Note: All readings in English translation.

Jewish Studies 121. Who is a Jew?

Catalog Number: 6509

Shaye J.D. Cohen

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

In modern times Jewish identity has become a subject of debate within the Jewish community. In this course, we survey how different Jewish communities, in both the USA and Israel, define the Jewishness of various problematic groups and individuals, including matrilineal Jews, patrilineal Jews, half-Jews, messianic Jews, Black Jews, crypto-Jews, and atheistic Jews.

Note: Offered at the Divinity School as 3644.

Jewish Studies 122. Introduction to Rabbinic Literature

Catalog Number: 2656

Shaye J.D. Cohen

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

An introduction to the rabbinic literature of antiquity, focusing on the Mishnah and the Babylonian Talmud, their historical background, rhetorical patterns, and dominant ideas. All readings done in translation. This course is open to all and does not presume knowledge of Hebrew or familiarity with Judaism.

Cross-listed Courses

[Comparative Literature 103r. Literature and Politics: The Case of Zionism]

Comparative Literature 156. The Literature of Destruction



[Comparative Literature 166. The Comic Tradition in Jewish Culture]

Foreign Cultures 56. Jewish Life in Eastern Europe

Historical Study A-44. Jews in Modern Times: From the French Revolution to the Emergence of Israel

[History 1150. The Jews in Muslim and Christian Spain]

Literature and Arts A-48. The Modern Jewish Experience in Literature

Religion 1250a. Introduction to Modern Jewish Thought: From Spinoza to Heschel: Seminar

Religion 1250b. Introduction to Modern Jewish Thought: Modern and Contemporary Jewish Thought from the Aftermath of the Holocaust to the Present: Seminar

Religion 1251. The History and Ideas of Jewish Nationalism and Zionism: Seminar

Religion 1252. The Enlightenment and the Jews

Primarily for Graduates

***Jewish Studies 200r. Guided Readings in Jewish History**

Catalog Number: 4478

Jay M. Harris

Half course (fall term; repeated spring term). Hours to be arranged.

Graduate Courses of Reading and Research

***Jewish Studies 300. Reading and Research in Postbiblical Jewish Studies**

Catalog Number: 1544

Jay M. Harris 2266, James L. Kugel 7575, Bernard Septimus 7160 (on leave fall term), and Ruth R. Wisse 3177 (on leave spring term)

Early Iranian Civilizations

For Undergraduates and Graduates

See also below under Arabic, Aramaic, and Iranian.

Early Iranian Civilizations 102. Old Iranian Religion

Catalog Number: 5408

P. Oktor Skjaervo

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Introduction to and readings in Mazdaism/Zoroastrianism (on the basis of translated texts).

Note: Offered jointly with the Divinity School as 3663a.

Early Iranian Civilizations 103. Manicheism

Catalog Number: 2604

P. Oktor Skjaervo

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Introduction to and readings in Iranian Manicheism (on the basis of translated texts).

Note: Offered jointly with the Divinity School as 3580.



Islamic Civilizations

See also below under Arabic, Iranian, and Turkish.

For Undergraduates and Graduates

Islamic Civilizations 120. The Arab Mediterranean City

Catalog Number: 0686

Susan G. Miller

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Cities have defined Mediterranean culture for thousands of years. Using sources from medieval times to the present, the interaction between urban form and social praxis is traced against the background of an encompassing Islamic culture: the city as sacred space, performance space, domestic and monumental space. Examples are drawn primarily from North Africa but also from Egypt and the Levant to fill out the trans-Mediterranean perspective.

[Islamic Civilizations 121. North Africa, 1500 to the Present]

Catalog Number: 6224

Susan G. Miller

Half course (fall term). Hours to be arranged.

An initiation to North African (Maghribi) history, surveying the evolution of relations between state and society from the late medieval period to the present and emphasizing the specificity of the North African experience. Topics include: Maghribi space and society in the medieval literature; saint worship and sultanic authority; society viewed through the literature of captivity; the 19th-century encounter with the West; race and caste in the colonial era; the Algerian revolution in essay, film and fiction; post-colonial political change.

Note: Expected to be given in 2002–03.

[Islamic Civilizations 124. Central Asian Culture and Society]

Catalog Number: 3927 Enrollment: Limited.

John S. Schoberlein

Half course (spring term). Hours to be arranged.

The course explores the diversity and continuity in contemporary Central Asian culture and society and their historical roots. After building a basis of knowledge of the pre- and early-modern history of the region and of its contemporary political context and institutions, the course will approach Central Asian culture, social structure and everyday life from a variety of angles. These will include perspectives available in various types of literature on the region, including the travel accounts of travelers to the region from pre-modern to recent time, indigenous literary folklore traditions, 19th-century orientalist scholarship, and contemporary scholarly approaches. The course will draw on ethnographic accounts to develop a rich picture of the social meaning and cultural context of ways of life (from the historical caravan trade and pastoral nomadism to contemporary collective farm and urban life), community rituals, social institutions, religious practices, moral sensibilities and aesthetic traditions.

Note: Expected to be given in 2002–03. Intended primarily for advanced undergraduates and graduate students; some background in the Near East and/or the former Soviet Union desirable.



Islamic Civilizations 125. History and Culture of Islamic Peoples of the Former Soviet Union

Catalog Number: 0646 Enrollment: Limited.

John S. Schoberlein

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Themes in the history of cultural change, from prior to Russian expansion into Muslim lands until the post-Soviet period. The course encompasses territories falling under Russian dominion by the 19th century that are inhabited by peoples which are culturally more akin to Asia and the Islamic Middle East than to Europe: Central Asia, the Caucasus, and southern Russia. Themes include the background of Iranian, Turkic and Islamic culture, problems of induced cultural change (Russification/Europeanization/modernization), social transformation under the establishment and dissolution of Russian rule and the Communist system, the institutionalization of national identities, and changing family and community organization.

Note: Intended primarily for graduates and advanced undergraduates; some background in the Near East and/or the Soviet Union desirable.

Islamic Civilizations 145. Islamic Philosophy and Theology

Catalog Number: 0292

Robert Wisnovsky

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

An introduction to some of the more important philosophical and theological problems that have preoccupied Muslim intellectuals from the 8th to the 20th centuries. Points of conflict amongst philosophers and theologians will be examined in detail. These include the Qur'an's createdness, God's causation of human acts, the primacy of human reason, the world's eternity, the survival of human souls, and God's ability to intervene in the natural order. The impact of European thought on 19th- and 20th-century Islamic intellectual history will also be examined. Finally, we will try to determine how "Islamic" Islamic philosophy and theology are, and how useful they might be to Muslims today.

Note: No knowledge of Arabic required. Offered jointly with the Divinity School as 3602.

[Islamic Civilizations 160. The Meanings of Islam in Central Asia]

Catalog Number: 8678

John Schoberlein

Half course (spring term). Hours to be arranged.

The course will examine the changing role of Islam in Central Asia through history from a multidisciplinary perspective. Central Asia is on the margins of the Islamic world, though integral to it, and the course will consider the ways that regions' position on the transcontinental trade routes and desert-oasis borderlands have led to particular expressions of the processes which are common to the Islamic world more widely. It will also look at the process of modernization and the role of Islam in the Russian and Soviet imperial contexts.

Note: Expected to be given in 2002–03. Primarily for graduate students and advanced undergraduates. Some background in Central Asia and/or Islamic civilizations preferable.

Cross-listed Courses



[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

[History 1877b. History of the Near East, 1055–1517: Conference Course](#)

[History 1878a. Ottoman State and Society I (1300–1550)]

[History 1878b. Ottoman State and Society II \(1550–1920\)](#)

[History 1889. Transmission of Traditional Islamic Learning in the Middle East from the Beginning of Islam to the Present]

[Religion 1551. For the Love of God and His Prophet: Literary and Artistic Expressions of Muslim Devotional Life: Seminar](#)

[Religion 1555. Introduction to Islamic Mysticism: The Sufi Tradition]

[*Religion 1585. Islam in South Asia: Religion, Culture and Identity in South Asian Muslim Societies](#)

Primarily for Graduates

[*Islamic Civilizations 200a. Approaches to Middle Eastern Studies: Proseminar](#)

Catalog Number: 5918

Laila Parsons

Half course (fall term). F., 2–4. EXAM GROUP: 7, 8

Interdisciplinary seminar designed primarily for students in the first semester of the Center for Middle Eastern Studies A.M. program, although open to all first-year graduate students in Middle Eastern Studies and related fields. Students are introduced to the major disciplines that constitute Middle Eastern Studies, including history, political science, anthropology, literature and Islamic Studies. Faculty members who are specialists in these disciplines will serve as guest lecturers.

Note: Required for students pursuing the A.M. in Middle Eastern Studies.

[Islamic Civilizations 200b. Middle Eastern Studies Research Project Seminar](#)

Catalog Number: 9274

Laila Parsons

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

Interdisciplinary seminar designed primarily for students in the final semester of the Center for Middle Eastern Studies A.M. program, although open to A.M. students in related fields. Students are required to expand a short paper already written for another course in Middle Eastern Studies into a long research paper, and to present the results of their research to the seminar. Students are also required to read the materials provided by the presenters in advance of their presentations, and to critique those presentations.

Note: Recommended but not required for students pursuing the A.M. in Middle Eastern Studies.

[*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). Hours to be arranged.

A seminar for graduate students focusing on current scholarship on Islamic civilization in South Asia.



Note: Open to qualified undergraduates.

Prerequisite: Introductory coursework on Islam, Religion 1585 or equivalent.

Graduate Courses of Reading and Research

***Islamic Civilizations 300. Reading and Research in Islamic Civilizations**

Catalog Number: 1963

Ali S. Asani 7739, William A. Graham, Jr. 4156, William E. Granara 1054, Wolfhart P. Heinrichs 4988, Wheeler M. Thackston, Jr. 4004, and Robert Wisnovsky 2229

***Islamic Civilizations 350. Reading and Research in Ottoman History and Literature**

Catalog Number: 4084

Sinasi Tekin 2353

Armenian Studies

See also below under Armenian.

For Undergraduates and Graduates

[Armenian Studies 100. Armenian Epic]

Catalog Number: 2576

James R. Russell

Half course (fall term). Hours to be arranged.

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 2002–03.

[Armenian Studies 102. Armenian Civilization]

Catalog Number: 6070

James R. Russell

Half course (fall term). Hours to be arranged.

An introduction to the history, traditions, religion, and literature of the Armenian people from the earliest times to the Middle Ages.

Note: Expected to be given in 2002–03. No knowledge of Armenian is required.

[Armenian Studies 200r. Guided Readings in Armenian Studies](#)

Catalog Number: 8105

James R. Russell

Half course (fall term). Hours to be arranged.

Cross-listed Courses



Folklore and Mythology 140. Spells, Scrolls, and Saints: Armenian Folk Religion

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

Paul-Alain Beaulieu

Full course (indivisible). M., W., F., at 9. EXAM GROUP: 2

Introduction to the fundamentals of Akkadian grammar and the most commonly encountered Old Babylonian and Neo-Assyrian cuneiform signs.

Akkadian 120. Intermediate Akkadian

Catalog Number: 3724

Paul-Alain Beaulieu and assistant

Full course (indivisible). Spring: M., 11–2. EXAM GROUP: 4, 5, 6

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 140a. Akkadian Historical Texts]

Catalog Number: 3737

Paul-Alain Beaulieu

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 140b. Akkadian Historical Texts]

Catalog Number: 4748

Paul-Alain Beaulieu

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

Akkadian 142. Akkadian Hymns and Prayers

Catalog Number: 6387



Paul-Alain Beaulieu

Half course (fall term). M., 1:30–4:30. EXAM GROUP: 6, 7, 8, 9

Readings from the various genres of Akkadian hymns and prayers, with particular emphasis on the genre of *shuilla* prayers. In the course of the semester 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.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 143. Neo-Babylonian Archival Texts]

Catalog Number: 7434

Paul-Alain Beaulieu

Half course (fall term). Hours to be arranged.

Readings from letters and legal and administrative documents dated to Neo- and Late Babylonian periods (c. 750–100 B.C.). The goal of the course is to learn how to use these documents as sources for the culture and social and economic history of Babylonia in that period.

Note: Expected to be given in 2002–03.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

Akkadian 144. Akkadian Divination Texts

Catalog Number: 6734

Piotr Steinkeller

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

[Akkadian 149. Akkadian Legal and Economic Texts]

Catalog Number: 6703

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 150. Akkadian Historiographic Texts]

Catalog Number: 2417

Peter Machinist

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

Akkadian 151. Cuneiform Sources for the Hellenistic Period

Catalog Number: 2125

Paul-Alain Beaulieu

Half course (spring term). M., 2–5. EXAM GROUP: 7, 8, 9

Survey of the various types of cuneiform sources dated to the rules of the Macedonian, Seleucid, and Arsacid dynasties. Administrative and legal documents, chronographic texts as well as literary and scholarly texts will be surveyed.

Prerequisite: Knowledge of cuneiform script and Akkadian language.



Akkadian 152. Texts and History of Imperial Assyria

Catalog Number: 3226

Peter Machinist

Half course (fall term). Hours to be arranged.

Readings and analysis of a variety of texts from the Middle and Neo-Assyrian periods illustrating issues in Assyrian imperial history, culture, and language.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of a cuneiform script.

Akkadian 153. Old Akkadian

Catalog Number: 8334

Piotr Steinkeller

Half course (fall term). Hours to be arranged. EXAM GROUP: 6, 7, 8

Readings in representative historical, epistolary, literary, and economic texts with emphasis on the grammar.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 154a. Peripheral Akkadian]

Catalog Number: 2416

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Two full courses in Akkadian.

[Akkadian 155r. Akkadian Historical Grammar and Dialectology]

Catalog Number: 0232

John Huehnergard

Half course (fall term). Hours to be arranged.

Topic for 2002–03: To be announced.

Note: Expected to be given in 2002–03.

Prerequisite: Two full courses in Akkadian.

Primarily for Graduates

[Akkadian 200r. Readings in Akkadian: Seminar]

Catalog Number: 2970

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Graduate Courses of Reading and Research

***Akkadian 300. Akkadian Language and Literature**

Catalog Number: 2233

Paul-Alain Beaulieu 3708 (fall term only), John Huehnergard 7697 (on leave 2001-02), Peter Machinist 2812 (on leave spring term), and Piotr Steinkeller 7337



Sumerian

For Undergraduates and Graduates

Sumerian A. Elementary Sumerian

Catalog Number: 5260

Piotr Steinkeller

Full course. Fall: Tu., Th., at 12; Spring: Tu., 12–3. EXAM GROUP: Fall: 14, 15, 16; Spring: 14

Introduction to the Sumerian language with emphasis on grammatical structure.

[Sumerian 146. Sumerian Religious Literature]

Catalog Number: 2605

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Sumerian 149. Sumerian Legal and Economic Texts

Catalog Number: 8820

Piotr Steinkeller

Half course (spring term). F., at 11 and two hours to be arranged. EXAM GROUP: 4

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

Linguistics 226r. Advanced 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 assistant

Full course. Section I&II: M. through F., at 9; Section III&IV: M. through F., at 10. 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: Exam date to be announced.

Arabic 110. Colloquial Levantine Arabic

Catalog Number: 6732

Wheeler M. Thackston, Jr.

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

A basic course in the spoken Arabic of the Levant (Lebanon, Syria, Palestine). Principles of grammar and syntax and foundation for conversation.

Note: Some knowledge of Arabic helpful but not required.

Arabic 120a. Intermediate Classical Arabic

Catalog Number: 1106

William E. Granara and assistant

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 will 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.

Prerequisite: Arabic A or equivalent.

Arabic 120b. Intermediate Classical Arabic

Catalog Number: 0597

William E. Granara and assistant

Half course (spring term). M., through F., at 10. EXAM GROUP: 3, 12

Continuation of Arabic 120a.

Arabic 121a. Intermediate Modern Arabic

Catalog Number: 0973

Ayman A. El-Desouky and assistant

Half course (fall term). Section A: M., through F., at 11; Section B: M., through F., at 12. EXAM GROUP: 4, 13

A continuation of Elementary Arabic with equal emphasis on speaking, reading, oral and aural skills. Selections from contemporary Arabic media will be introduced and will serve as bases for reading and conversation.



Arabic 121b. Intermediate Modern Arabic

Catalog Number: 0685

Ayman A. El-Desouky and assistant

Half course (spring term). Section A: M., through F., at 11; Section B: M., through F., at 12.

EXAM GROUP: 4, 13

A continuation of Arabic 121a.

Arabic 130a. Advanced Classical Arabic

Catalog Number: 4591

Robert Wisnovsky

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Concentration on readings from classical Islamic texts, with emphasis on Qur'an, *hadith*, *sira*, and *tafsir* literature; directed readings and textual analysis; review of classical Arabic morphology and syntax.

Arabic 130b. Advanced Classical Arabic

Catalog Number: 2964

Robert Wisnovsky

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 secular prose and poetry.

Arabic 131a. Advanced Modern Arabic

Catalog Number: 0739

Ayman A. El-Desouky and assistant

Half course (fall term). M. through Th., at 1. EXAM GROUP: 6, 15

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.

Arabic 131b. Advanced Modern Arabic

Catalog Number: 0697

Ayman A. El-Desouky and assistant.

Half course (spring term). M. through Th., at 1. EXAM GROUP: 6, 15

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.

Arabic 140. The Qur'an

Catalog Number: 6021

William A. Graham, Jr.

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Introduction to and selected readings from the Qur'an and Arabic exegesis.

Prerequisite: Arabic 120b or equivalent.



[Arabic 141. Introduction to the Hadith]

Catalog Number: 0705

William A. Graham, Jr.

Half course (fall term). Hours to be arranged.

Introduction to and selected readings in the Hadith literature.

Note: Expected to be given in 2002–03.

Prerequisite: Arabic 120b or permission of instructor.

[Arabic 144. Sources for the Study of Islamic History]

Catalog Number: 3450

Roy Mottahedeh

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Elementary knowledge of Arabic.

[Arabic 146r. History of the Arabic Languages]

Catalog Number: 8526

Wolfhart P. Heinrichs

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2002–03.

Prerequisite: Two years of Arabic or equivalent.

Arabic 150r. History of Arabic Literature

Catalog Number: 7759

Wolfhart P. Heinrichs

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Overview of Classical Arabic literature, including reading and discussion of selected texts.

Note: Knowledge of Arabic an advantage, but not required. If there is sufficient interest, an additional hour will be set aside for reading in the originals.

[Arabic 161. Classical Arabic Grammarians on Arabic]

Catalog Number: 6820

Roy Mottahedeh

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Primarily for Graduates

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 *úlum al-lugha* (fall) and *úlum al-din* (spring).

Note: This constitutes the fourth and final year of the Classical Arabic track.

Arabic 241a. Modern Arabic Literature

Catalog Number: 3309

William E. Granara

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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.

Prerequisite: Advanced proficiency in Arabic.

Arabic 241b. Modern Arabic Literature

Catalog Number: 6399

William E. Granara

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A continuation of Arabic 241a.

Arabic 245r. Classical Arabic Literature: Seminar

Catalog Number: 4854

Wolfhart P. Heinrichs

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Topic for 2001-2002: Ancient Arabic poetry (pre-Islamic and early Islamic). The course will offer an introduction to the reading and interpretation of poems from a variety of genres and a discussion of recent approaches to the study of this poetry.

[Arabic 248r. Medieval Arabic Writings on Grammar: 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 language. Discussion of selected topics on the basis of text readings and recent secondary literature.

Note: Expected to be given in 2002–03.

Prerequisite: Reading knowledge of Arabic.

***Arabic 249r. Arabic Philosophical Texts: Seminar**

Catalog Number: 3572

Robert Wisnovsky

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Selected readings from *falsafa* literature. Topic for 2001–02: Ethics.

Prerequisite: Three years of Arabic or equivalent.

Arabic 250r. Arabic Theological Texts: Seminar

Catalog Number: 7849



Robert Wisnovsky

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Selected readings from *kalam* and other types of theological literature. Topic for 2001–02: Hanbalism and Wahhabism.

Note: Offered jointly with the Divinity School as 3883.

Prerequisite: Three years of Arabic or equivalent.

[Arabic 252. Arabic in the Context of the Semitic Languages: Workshop]

Catalog Number: 6146

Wolfhart P. Heinrichs

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Two years of Arabic or special permission of the instructors.

Arabic 253. Modernity, Linguistic Philosophy and the Logic of Islamic Law: Seminar

Catalog Number: 6254

Abdul Karim Soroush

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

This course considers the conceptual analytical tools and basic linguistic presuppositions of Muslim jurists pertaining the logic of legal inference. This course will also include relevant observations made by modern philosophers on issues such as speech-acts.

Note: Advanced Arabic required.

Graduate Courses of Reading and Research

***Arabic 300. Reading and Research in Arabic Language and Civilization**

Catalog Number: 7828

William A. Graham, Jr. 4156, William E. Granara 1054, Wolfhart P. Heinrichs 4988, Roy Mottahedeh 1454, Wheeler M. Thackston, Jr. 4004, Robert Wisnovsky 2229, and Richard W. Wrangham 2349 (spring term only)

***Arabic 320. Modern Arabic Literature and Literary Criticism**

Catalog Number: 9167

William E. Granara 1054

Half course (fall term; repeated spring term). Hours to be arranged.

Aramaic

For Undergraduates and Graduates

See also Ancient Near East and Biblical Studies, Jewish Studies, and Early Iranian Civilizations.

Aramaic C (formerly Aramaic Ca/Cb). Elementary Syriac

Catalog Number: 3494

J. F. Coakley

Full course. 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: Offered jointly with the Divinity School as 4109.

[Aramaic 124a. Readings in Syriac I]

Catalog Number: 5557

J. F. Coakley

Half course (fall term). Hours to be arranged.

Historical and theological texts, and early poetry.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 4112.

Prerequisite: Aramaic C or equivalent.

[Aramaic 124b. Readings in Syriac II]

Catalog Number: 0103

J. F. Coakley

Half course (spring term). Hours to be arranged.

Special attention to exegetical texts and to reading manuscripts.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 4113.

Prerequisite: Aramaic C or equivalent.

Aramaic 128. Introduction to Turoyo

Catalog Number: 3747

Wolfhart P. Heinrichs

Half course (spring term). Hours to be arranged.

Prerequisite: Some knowledge of Syriac or any other classical Aramaic language.

Graduate Courses of Reading and Research

***Aramaic 300. Aramaic Language and Literature**

Catalog Number: 5758

John Huehnergard 7697 (on leave 2001-02), Jo Ann Hackett 2389 (on leave 2001-02), and Jon D. Levenson (Divinity School) 2264 (spring term only)

Armenian

See also Armenian Studies.

For Undergraduates and Graduates

Armenian A. Elementary Classical Armenian

Catalog Number: 5476

James R. Russell

Full course. Hours to be arranged.

Introduction to classical Armenian grammar and reading of selected texts.



Armenian B. Elementary Modern Eastern Armenian

Catalog Number: 7168

James R. Russell

Full course. Hours to be arranged.

Introduction to the spoken and literary language of the Republic of Armenia.

[Armenian 120a. Intermediate Modern Eastern Armenian]

Catalog Number: 4892

James R. Russell

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Armenian B or equivalent.

Armenian 121a. Intermediate Classical Armenian

Catalog Number: 0626

James R. Russell

Half course (fall term). Hours to be arranged.

Prerequisite: Armenian A or equivalent.

Armenian 130. Advanced Classical Armenian

Catalog Number: 4926

James R. Russell

Full course. Hours to be arranged.

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

Armenian 240r. Readings in Classical Armenian

Catalog Number: 6603

James R. Russell

Half course (fall term; repeated spring term). Hours to be arranged.

Armenian 241r. Readings in Modern Armenian Literature

Catalog Number: 8746

James R. Russell

Half course (fall term). Hours to be arranged.

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

Full course (indivisible). Hours to be arranged.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 4090.

[Ethiopic 120ar. Readings in Classical Ethiopic (Ge'ez) Texts I]

Catalog Number: 0231

John Huehnergard

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

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.

Note: Expected to be given in 2002–03.

Prerequisite: Ethiopic A.

Graduate Courses of Reading and Research

***Ethiopic 300. Ethiopian Semitic Language and Literature**

Catalog Number: 5135

John Huehnergard 7697 (on leave 2001-02)

Hebrew

See also Ancient Near East and Biblical Studies and Jewish Studies.

For Undergraduates and Graduates

Hebrew 179. Circumcision and Jewish identity

Catalog Number: 3539

Shaye J.D. Cohen

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A historical study of the Jewish ritual of circumcision, from biblical Israel to medieval Judaism. Topics include: Biblical foundations; Hasmonean innovations, Philo, Paul, Josephus and pagan writers; circumcision and conversion; rabbinic law and aggadah; post-Talmudic developments; Christian polemics; the exclusion of women.

Note: Offered by the Divinity School as 1459.

Prerequisite: A good knowledge of rabbinic Hebrew.



Primarily for Graduates

[Hebrew 217. The Medieval Torah Commentary: A Practical Introduction: Seminar]

Catalog Number: 5883

Jon D. Levenson (Divinity School)

Half course (spring term). Hours to be arranged.

An introduction to the use of the Jewish biblical commentaries of the Middle Ages as a resource for the modern exegete. Primary readings include a Torah chapter with the comments of several of the following figures: Rashi, Rashbam, Ibn Ezra, Radaq, Chizquni, Ramban, Seforno, and Abarbanel. Some discussion of the relationship of the hermeneutical presuppositions of these figures to those of the distinctively modern forms of biblical study.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 1836.

Prerequisite: Three years of college-level Hebrew (any period). Not a course for students with a weak control of Hebrew grammar.

Hebrew 226r. Seminar in Jewish Studies

Catalog Number: 4663

Jay M. Harris

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Required of all incoming graduate students in Jewish Studies. An overview of the methods, questions, and controversies in the field of Jewish Studies over the last two centuries.

Note: Open to qualified undergraduates with permission of the instructor.

Hebrew 247. Intertextuality and the Midrashic Imagination in Modern Hebrew Literature: Seminar

Catalog Number: 1125

Shachar Mordechai Pinsker

Half course (fall term). W., 4–6. EXAM GROUP: 9

The seminar explores contacts between Rabbinic texts and Modern Hebrew Literature. How do modern writers employ Rabbinic language in forging modern subjectivity? In what ways traditional narrative structures and genres are being reread and rewritten?

Prerequisite: Reading knowledge of Hebrew.

Hebrew 249. Exile and Homecoming: The Experience of Migration in Modern Hebrew and Jewish Literature: Seminar

Catalog Number: 9107

Shachar Mordechai Pinsker

Half course (spring term). M., 4–6. EXAM GROUP: 9

Exile and homecoming are central concepts in traditional Judaism, in modernist literature and critical theory. Hebrew and Jewish texts of and about immigrants, emigrants, travelers and exiles, alongside theorists like Arendt, Adorno and Lyotard.

Note: All readings in English translation.

Language Courses

For Undergraduates and Graduates



Classical Hebrew A. Elementary Classical Hebrew

Catalog Number: 8125

John L. Ellison

Full course. M., W., F., at 10. EXAM GROUP: 3

A thorough and rigorous introduction to Biblical Hebrew, with emphasis on grammar, in preparation for translation of biblical prose. Daily preparation and active class participation mandatory. Readings in the Hebrew Bible/Old Testament begin in the first semester and increase in complexity throughout the year.

Note: Offered jointly with the Divinity School as 4010.

Classical Hebrew 120a. Intermediate Classical Hebrew I

Catalog Number: 5545

John L. Ellison and assistant

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Review of grammar; readings in prose books.

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

John L. Ellison and assistant

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

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

John L. Ellison

Half course (fall term). M., 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

John L. Ellison and assistant

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Note: Offered jointly with the Divinity School as 1626/4031.

Prerequisite: Classical Hebrew 130a or equivalent.

[Classical Hebrew 138. Historical Grammar of Biblical Hebrew]

Catalog Number: 4415

John Huehnergard

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Classical Hebrew 130, or equivalent.



[Classical Hebrew 238r. Advanced Study of Historical Hebrew Grammar]

Catalog Number: 9997

Jo Ann Hackett and John Huehnergard

Half course (spring term). Hours to be arranged.

Reading of major sections of the Biblical corpus with emphasis on historical linguistic issues.

Note: Expected to be given in 2002–03.

Prerequisite: Classical Hebrew 130b and either Classical Hebrew 138 or Semitic Philology 140.

Modern Hebrew B. Elementary Modern Hebrew

Catalog Number: 4810

Miri Kubovy, Irit Aharony, and Rina Winkelman

Full course (indivisible). Section I: M. through F., at 9; Section II: M. through F., at 12; Section III: M. through F., at 3. EXAM GROUP: 5, 14

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

Miri Kubovy, Irit Aharony, and Rina Winkelman

Half course (fall term). Section I: M. through F., at 10. Section II: M. through F., at 1. EXAM GROUP: 3, 12

For students with basic understanding of modern Hebrew grammar and some experience in reading. Emphasis on rapid reading of contemporary newspapers, magazines, short stories, and poetry.

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

Miri Kubovy, Irit Aharony, and Rina Winkelman

Half course (spring term). Section I: M. through F., at 10. Section II: M. through F., at 1. EXAM GROUP: 6, 15

Continuation of Modern Hebrew 120a. Selected readings from 20th-century Hebrew literature prose, poetry, and drama. 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 4041.

Modern Hebrew 130r. Advanced Modern Hebrew: Contemporary Israeli Culture

Catalog Number: 8127

Miri Kubovy

Half course (fall term). Tu., 7–9 p.m. EXAM GROUP: 18

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.

Note: Conducted in Hebrew. All texts will be read in Hebrew. Offered jointly with the Divinity School as 4045.

Prerequisite: Modern Hebrew 120a, 120b or equivalent.

[Modern Hebrew 131r. Advanced Modern Hebrew: Hebrew of the Media: Press, TV, and Radio]

Catalog Number: 1940

Rina Winkelman

Half course (spring term). Hours to be arranged.

This course will introduce students of Hebrew language and literature to the language as practiced in the broadcast and printed media. In Hebrew, more than in other languages, the language of the media uses terminology, vocabulary, and syntactic structures that are unique to these fields, and that both express and influence meaningful trends in culture and society. The course will present examples from Israeli Internet programs, television, radio, daily newspapers, and magazines all relating to current events and major issues. Conducted in Hebrew.

Note: Expected to be given in 2002–03. Conducted in Hebrew.

Prerequisite: 4040 (Modern Hebrew 120a) or equivalent.

Modern Hebrew 134r. The Layers of Hebrew in Texts about Jerusalem

Catalog Number: 6949

Irit Aharony

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

A survey of the layers of the Hebrew language as reflected in texts dealing with Jerusalem, written in different centuries. Students will learn the practical morphology and syntax of all periods of the Hebrew language, in many kinds of texts. In the modern period we will introduce the students to literary, press, and media selections, as well as academic papers. The goal of this course is to facilitate scholarly work and research in Hebrew.

Note: Conducted in Hebrew. Offered by the Divinity School as 4043.

Prerequisite: 4040 (Modern Hebrew 120a) or equivalent.

Modern Hebrew 155. The Mamas and the Papas: Israeli Literature in Translation

Catalog Number: 2250

Miri Kubovy

Half course (spring term). W., 4–6. EXAM GROUP: 9

Close reading of a selection of works by three generations of Israeli writers in the second half of the 20th century, and a discussion of fiction, poetry, drama, film and essays which represent major trends in Israeli social and cultural life. The main subjects include the Holocaust; feminism; Americanization; the quest for normalcy; the departure from Zionist ideology; the genre of eternal childhood; and the polarities between Arabs and Jews, Sephardi and Ashkenazi Jews, poor and rich, orthodox and secular, and right and left political camps. Among the authors to be discussed: S.Y. Agnon (Nobel Prize 1966), Amos Oz, A.B. Yehoshua, David Grossman, Yehudah Amichai, Yonah Wollach, and Orly Castel-Bloom.

Note: This course will be conducted in English.



Literature and History Courses

For Undergraduates and Graduates

[Hebrew 142. The Dead Sea Scrolls]

Catalog Number: 6753

James L. Kugel

Half course (fall term). Hours to be arranged.

A survey of the main texts discovered at Qumran and their importance for an overall understanding of Judaism toward the end of the biblical period.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 1431.

Prerequisite: A reading knowledge of biblical Hebrew.

Hebrew 150a. Introduction to Rabbinic Literature

Catalog Number: 7629

Bernard Septimus

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

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.

Prerequisite: Intermediate biblical or modern Hebrew, or permission of instructor.

[Hebrew 150b. Introduction to Rabbinic Literature]

Catalog Number: 7878

Bernard Septimus

Half course (spring term). Hours to be arranged.

This course is a continuation of Hebrew 150a, although it can be taken independently. The readings are slightly more difficult, and include legal texts and texts that use Aramaic as well as Hebrew. No prior knowledge of Aramaic is assumed.

Note: Expected to be given in 2002–03.

Prerequisite: Hebrew 150a or permission of the instructor.

Hebrew 153. Midrash Seminar

Catalog Number: 3397

James L. Kugel

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of rabbinic interpretations of the Bible and their relationship to other early exegetical traditions. Focuses on a series of specific midrashic themes and motifs found in a variety of rabbinic texts and seeks to understand their original exegetical function as well as their development and history of transmission.

Note: Offered jointly with the Divinity School as 1840.

Prerequisite: A good reading knowledge of Mishnaic Hebrew.

[Hebrew 169. The Bavli and the Yerushalmi]

Catalog Number: 2226



Jay M. Harris

Half course (spring term). Hours to be arranged.

A comparative study of the Babylonian and “Jerusalem” Talmuds. Emphasis on comparing their relationship to antecedent sources, their use of *midrash*, and their rhetorical patterns. Also studied is the historical destiny of these two works in the medieval and modern periods.

Note: Expected to be given in 2002–03.

[Hebrew 171. The Problem of Language in Medieval Jewish Thought]

Catalog Number: 7205

Bernard Septimus

Half course (spring term). Hours to be arranged.

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 2002–03.

Prerequisite: A good reading knowledge of Hebrew.

Hebrew 174. Political Thought: Late Antiquity through the Middle Ages

Catalog Number: 8693

Bernard Septimus

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Explores the following interrelated topics: the debate over monarchy; divine providence and political rationality; the theological significance of political defeat; the foundations of communal government. Legal exegetical, philosophical, and literary texts treating these topics will be read against their historical backdrop.

Prerequisite: A good reading knowledge of Hebrew.

[Hebrew 176. Aristotle’s *Ethics* in Medieval Jewish Thought]

Catalog Number: 0805

Bernard Septimus

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: A good reading knowledge of Hebrew.

Hebrew 178. Mishnah and Tosefta

Catalog Number: 0226

Shaye J.D. Cohen

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Examination of the central synoptic problem in rabbinic literature: the interrelationship of the Mishnah and Tosefta. We will study several sample tractates and survey modern scholarship on the subject.

Note: Offered by the Divinity School as 3646.

Prerequisite: A good knowledge of rabbinic Hebrew.

Hebrew 184. Jewish Bible Commentary in the Modern Period

Catalog Number: 5236



Jay M. Harris

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

A study of Jewish Bible commentaries in the late 18th and 19th centuries that seeks to introduce the student to the wide range of Jewish Bible commentary in this period. Commentators to be studied include the Gaon of Vilna, Moses Mendelssohn, Moses Sofer, Meir Leibush Malbim, Samuel David Luzatto, and Naftali Zvi Yehudah Berlin, each studied within the appropriate cultural context.

Note: Offered jointly with the Divinity School as 3688.

Cross-listed Courses

[Comparative Literature 103r. Literature and Politics: The Case of Zionism]

[Comparative Literature 156. The Literature of Destruction](#)

[Historical Study A-44. Jews in Modern Times: From the French Revolution to the Emergence of Israel](#)

[Literature and Arts C-37. The Bible and Its Interpreters]

[Religion 1212a. Judaism: The Liturgical Year]

[Religion 1212b. Judaism: The Liturgical Year]

Primarily for Graduates

[*Hebrew 200r. Problems in the Literature, History, and Religion of Israel: Seminar](#)

Catalog Number: 3265

James Kugel, Peter Machinist, Lawrence E. Stager, and Paul D. Hanson (Divinity School)

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Topic for 2001-02: To be announced.

Note: Intended primarily for doctoral students. Offered jointly with the Divinity School as 1810.

[Hebrew 208r. Literature of Israel: Seminar]

Catalog Number: 1356

Peter Machinist

Half course (spring term). Hours to be arranged.

Topic for 2003-2004: To be announced.

Note: Expected to be given in 2003–04.

Prerequisite: Advanced reading knowledge of biblical Hebrew. Also, acquaintance with other relevant ancient and modern languages desirable.

[Hebrew 209r. Literature of Israel: Seminar](#)

Catalog Number: 1326

James L. Kugel

Half course (fall term). Tu., 2–4. First meeting only 9/12/01 10-12 Semitic Museum 202. EXAM GROUP: 16, 17

Topic for 2001–02: The Book of Psalms

Note: Offered jointly with the Divinity School as 1824.

Prerequisite: Good reading knowledge of biblical Hebrew.



[Hebrew 210r. Literature of Israel: Seminar]

Catalog Number: 6322 Enrollment: Limited to 10.

Paul D. Hanson (Divinity School)

Half course (fall term). Hours to be arranged.

Topic for 2002-03 to be announced.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 1820.

Prerequisite: Reading knowledge of biblical Hebrew.

[Hebrew 218. Joseph and Esther: Seminar]

Catalog Number: 0880

Jon D. Levenson (Divinity School)

Half course (fall term). Hours to be arranged.

A close critical reading of Genesis 37-50 and the Book of Esther in Hebrew. Emphasis on the literary design and religious message of each work and on the influence of the story of Joseph upon the Book of Esther.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1802.

Prerequisite: Three years of Hebrew or the equivalent.

[Hebrew 222a. Texts on the Social and Cultural History of the Jews in the Talmudic Era \(70–500 C.E.\)](#)

Catalog Number: 6845

Isaiah M. Gafni (Hebrew University)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

A methodological introduction to the use and interpretation of rabbinic texts and other sources for the study of Jewish history in late antiquity. Topics: the emergence, development, and nature of rabbinic leadership and institutions; historical frameworks, contexts and influences for literary development in the rabbinic world.

Prerequisite: Facility in the reading of classical Hebrew sources.

[Hebrew 223. The Book of Jubilees and Ancient Biblical Interpretation]

Catalog Number: 1813

James L. Kugel

Half course (fall term). Hours to be arranged.

An in-depth examination of one of the most important texts of the post-exilic period.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 1432.

Prerequisite: A reading knowledge of biblical Hebrew. (Also, welcome but not required: reading knowledge of Ge'ez and Aramaic.)

[Hebrew 224. Readings in the Testaments of the Twelve Patriarchs and Other Second Temple Texts.](#)

Catalog Number: 4565

James L. Kugel

Half course (fall term). W., 12–2. EXAM GROUP: 5, 6

A study centering on one mysterious document of the Second Temple period and the light it can shed on Jewish religious piety and practice toward the end of the biblical period.

Note: Offered jointly with the Divinity School as 1433.



Prerequisite: A reading knowledge of biblical Hebrew. (Also, welcomed but not required: reading knowledge of Greek and Aramaic.)

Hebrew 226r. Seminar in Jewish Studies

Catalog Number: 4663

Jay M. Harris

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Required of all incoming graduate students in Jewish Studies. An overview of the methods, questions, and controversies in the field of Jewish Studies over the last two centuries.

Note: Open to qualified undergraduates with permission of the instructor.

Hebrew 230. Midrash: The Figure of Abraham: Seminar

Catalog Number: 0203

Jon D. Levenson (Divinity School)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

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. 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 1803/3871.

Prerequisite: Sound reading knowledge of Hebrew (any period).

Hebrew 231. Genesis 12-25: Seminar

Catalog Number: 1109

Jon D. Levenson (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

A close critical reading of Genesis 12-25 in Hebrew. Emphasis on literary design and religious message of this section of the story of Abraham and his family. Students will make presentations about historical, literary, and theological aspects of the material.

Note: Offered jointly with the Divinity School as 1809.

Prerequisite: An introductory course in critical biblical studies and three years of Hebrew or the equivalent.

Hebrew 245. Early Biblical Interpretation: Seminar

Catalog Number: 6731

James L. Kugel

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Biblical interpretation from its beginnings within the Hebrew Bible itself to evidence of its continuing development as found in ancient Bible translations, biblical apocrypha and pseudepigrapha, commentaries, sermons, liturgical poetry, and other Jewish and Christian writings of late antiquity.

Note: Offered jointly with the Divinity School as 1804.

Prerequisite: A good reading knowledge of biblical Hebrew.

Hebrew 253. Jewish Sources as an Aid to the Critical Study of the Hebrew Bible. Seminar

Catalog Number: 4318



Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Jewish sources—such as ancient translations, Midrash, Talmud, and medieval commentaries—will be used as an aid to the source-critical study of the Pentateuch, including both narrative and legal texts. Participants should be able to read the biblical texts in their original language, but they may use English translations of the later Jewish sources.

Note: Offered jointly with the Divinity School as 1812.

Prerequisite: Advanced reading knowledge of biblical Hebrew.

Graduate Courses of Reading and Research

***Hebrew 300. Classical Hebrew Language and Literature**

Catalog Number: 7831

Jo Ann Hackett 2389 (on leave 2001-02), Paul D. Hanson (Divinity School) 1394, John Huehnergard 7697 (on leave 2001-02), James L. Kugel 7575, Peter Machinist 2812 (on leave spring term), and Lawrence E. Stager 1468

***Hebrew 350. Postbiblical Hebrew Language and Literature**

Catalog Number: 4408

Jay M. Harris 2266, James L. Kugel 7575, and Bernard Septimus 7160 (on leave fall term)

Iranian

See also above under Near Eastern Civilizations; Early Iranian Civilizations; Islamic Civilizations; and below under Persian.

For Undergraduates and Graduates

Iranian A. Old Persian

Catalog Number: 5457

P. Oktor Skjaervo

Full course (spring term). Hours to be arranged.

Introduction to Old Persian.

Iranian B. Introduction to Avestan

Catalog Number: 3936

P. Oktor Skjaervo

Full course (indivisible). Hours to be arranged. EXAM GROUP: Spring: 8, 9

[Iranian 142b. Avestan III]

Catalog Number: 6865

P. Oktor Skjaervo

Half course (fall term). Hours to be arranged.

Introduction to Old Avestan.

Note: Expected to be given in 2002–03.



Iranian 145a. Eastern Middle Iranian II. Introduction to Sogdian I

Catalog Number: 9001

P. Oktor Skjaervo

Half course (fall term). Hours to be arranged.

Introduction to Manichean Sogdian.

Iranian 145b. Eastern Middle Iranian II. Introduction to Sogdian II

Catalog Number: 0912

P. Oktor Skjaervo

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Readings in Manichean, Buddhist, Christian, and secular Sogdian texts.

[Iranian 146a. Eastern Middle Iranian III. Introduction to Bactrian I]

Catalog Number: 6705

P. Oktor Skjaervo

Half course (fall term). Hours to be arranged.

Introduction to Bactrian

Note: Expected to be given in 2002–03.

[Iranian 146b. Eastern Middle Iranian III. Introduction to Bactrian II]

Catalog Number: 0827

P. Oktor Skjaervo

Half course (spring term). Hours to be arranged.

Advanced readings in Bactrian texts.

Note: Expected to be given in 2002–03.

Cross-listed Courses

Linguistics 221r. Workshop in Indo-European

Primarily for Graduates

Iranian 206r. Advanced Middle Persian

Catalog Number: 6633

P. Oktor Skjaervo

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced readings in Middle Persian texts (Zoroastrian, Manichean, inscriptions.)

Prerequisite: Two years of study of Middle Persian.

Iranian 207r. Advanced Khotanese

Catalog Number: 2018

P. Oktor Skjaervo

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced readings in Khotanese texts (Buddhist, secular.)

Prerequisite: One year of study of Khotanese.



[Iranian 208r. Advanced Sogdian]

Catalog Number: 2457

P. Oktor Skjaervo

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced readings in Sogdian texts.

Note: Expected to be given in 2002–03.

Prerequisite: One year of study of Sogdian.

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

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

Wheeler M. Thackston, Jr.

Full course. M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3
Introduction to the grammar of modern literary and spoken Persian. Selected readings from contemporary and classical Persian literature.

Persian 120a. Intermediate Persian I

Catalog Number: 2206

Wheeler M. Thackston, Jr.

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

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

Wheeler M. Thackston, Jr.

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Continuation of Persian 120a.

Persian 140ar. Selected Readings in Classical Persian Literature

Catalog Number: 0814

Wheeler M. Thackston, Jr.

Half course (fall 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, the classics of Sufism, and the poets of Iran and India.

Prerequisite: Persian 120b or equivalent.

Persian 140br. Selected Readings in Classical Persian Literature

Catalog Number: 0258

Wheeler M. Thackston, Jr.

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

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.

Note: Expected to be given in 2002–03.

Graduate Courses of Reading and Research

***Persian 300. Persian Language and Literature**

Catalog Number: 6962

Wheeler M. Thackston, Jr. 4004 and Roy Mottahedeh 1454

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). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Knowledge of two Semitic languages.

Semitic Philology 151. Introduction to Northwest Semitic Epigraphy

Catalog Number: 2858

John L. Ellison

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

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 and assistant

Half course (fall term). Hours to be arranged.

Introduction to Ugaritic grammar, with readings in mythological, epistolary, and administrative



texts.

Note: Expected to be given in 2002–03.

Prerequisite: Semitic Philology 140 or equivalent.

Cross-Listed Courses

Primarily for Graduates

[Semitic Philology 200r. Comparative Semitic Grammar: Seminar]

Catalog Number: 0168

John Huehnergard

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2003–04.

Prerequisite: Classical Hebrew 138 or Semitic Philology 140 or equivalent.

Semitic Philology 220r. Northwest Semitic Epigraphy: Seminar

Catalog Number: 2948

John L. Ellison

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Topic for 2001-02: Northwest Semitic Texts.

Prerequisite: Semitic Philology 152.

[Semitic Philology 230. The Early History of Northwest Semitic]

Catalog Number: 3959

John Huehnergard

Half course (spring term). Hours to be arranged.

Readings in the Canaanizing Akkadian tablets from el-Amarna; review of so-called “Amorite” sources, as well as early alphabetic, Egyptian, and other evidence for Northwest Semitic in the second millennium BCE.

Note: Expected to be given in 2002–03.

Prerequisite: Akkadian A and Classical Hebrew 138 or 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 (on leave 2001-02), Wolfhart P. Heinrichs 4988, and John Huehnergard 7697 (on leave 2001-02)

Swahili

See also above under Near Eastern Civilizations; Islamic Civilizations.

For Undergraduates and Graduates



Swahili A. Elementary Swahili

Catalog Number: 6439

Ali S. Asani and assistant

Full course (indivisible). Fall: M., W., F., at 3; Spring: Th., at 12, Tu., at 3, W., at 4 Spring:

Hours to be arranged. EXAM GROUP: Fall: 8; Spring: 9, 14, 17

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 120ar. Readings in Swahili]

Catalog Number: 5026

Ali S. Asani and assistant

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Swahili Aab or equivalent.

[Swahili 120br. Readings in Swahili]

Catalog Number: 4270

Ali S. Asani and assistant

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Swahili 120ar or equivalent.

Turkish

See also above under Near Eastern Civilizations; Islamic Civilizations.

For Undergraduates and Graduates

Turkish A. Elementary Modern Turkish

Catalog Number: 2527

F. Engin Sezer

Full course (indivisible). M. through F., at 10. EXAM GROUP: 3, 12

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

F. Engin Sezer

Half course (fall term). M., through F., at 9. EXAM GROUP: 2, 11

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

F. Engin Sezer

Half course (spring term). M., through F., at 9. EXAM GROUP: 2, 11

Studies in argumentative and literary prose.

Note: Not open to auditors.

Prerequisite: Turkish 120a or equivalent.

Turkish 121a. Elementary Uzbek

Catalog Number: 3006

Wheeler M. Thackston, Jr. and assistant

Half course (fall term). Hours to be arranged; four meetings per week.

Introduction to conversational and literary Uzbek. Overview of the grammar, intensive practice of the spoken language, and reading of contemporary texts.

Note: Some knowledge of Modern Turkish or other Turkic language helpful but not required.

Turkish 121b. Elementary Uzbek

Catalog Number: 7303

Wheeler M. Thackston, Jr. and assistant

Half course (spring term). Hours to be arranged; four meetings per week.

Continuation of Turkish 121a.

Note: Some knowledge of Modern Turkish or other Turkic language helpful but not required.

Turkish 130a. Advanced Turkish I

Catalog Number: 6964

F. Engin Sezer

Half course (fall term). M., through F., at 11. EXAM GROUP: 4, 13

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

F. Engin Sezer

Half course (spring term). M. through F., at 11. EXAM GROUP: 4, 13

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 140. Introduction to Ottoman

Catalog Number: 1906

Sinasi Tekin

Full course. Spring: Tu., at 1, Th., 1–3. EXAM GROUP: Spring: 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.

Prerequisite: Turkish A; and one year of Arabic or Persian desirable.

Turkish 142. Introduction to Ottoman Palaeography and Diplomatic Correspondence

Catalog Number: 0239

Sinasi Tekin

Full course. Fall: Tu., at 2, Th., 3–5; Spring: Tu., 1–4. EXAM GROUP: Fall: 16, 17, 18; Spring: 15, 16, 17

Calligraphic, orthographic, and stylistic characteristics of Ottoman legal and diplomatic correspondence through reading and analysis of primary sources.

Prerequisite: Turkish 140 or equivalent.

Turkish 146. Old Turkish

Catalog Number: 2929

Sinasi Tekin

Full course. Hours to be arranged.

Writing and structure of Old Turkish through readings in Orkhon inscriptions and Old Uyghur Buddhist and Manichaean texts.

Prerequisite: Knowledge of one Turkish language.

Turkish 147a. Advanced Uzbek

Catalog Number: 3846

Wheeler M. Thackston, Jr. and assistant

Half course (fall term). Hours to be arranged.

Turkish 147b. Advanced Uzbek

Catalog Number: 4820

Wheeler M. Thackston, Jr. and assistant.

Half course (spring term). Hours to be arranged.

Continuation of Turkish 147a.

[Turkish 148b. Chaghatay: Poetry]

Catalog Number: 6843

Sinasi Tekin and assistant

Half course (spring term). Hours to be arranged.

Language and style of Chaghatay poetry through selected readings from the post-Karakhanid period until the 16th century.

Note: Expected to be given in 2002–03.

Prerequisite: Turkish A, Persian A, or equivalents.



Primarily for Graduates

Turkish 240. Readings in Ottoman Sources

Catalog Number: 2180

Sinasi Tekin and assistant

Full course (indivisible). Hours to be arranged.

Codicological analysis of handwritten documents from the 13th to the 18th century in photocopies and in the originals from a private collection. Analysis of textual styles of different genres.

Prerequisite: Turkish 140 or equivalent.

Graduate Courses of Reading and Research

***Turkish 300. Turkish Languages and Literatures**

Catalog Number: 7702

F. Engin Sezer 2833 and Sinasi Tekin 2353

Yiddish

See also above under Near Eastern Civilizations: Jewish Studies.

For Undergraduates and Graduates

Yiddish A. Elementary Yiddish

Catalog Number: 4623

David Braun

Full course (indivisible). M., W., F., at 10. EXAM GROUP: 3

Introduction to the Yiddish language, and to the culture of Ashkenazic Jewry.

Note: For students with little or no knowledge of Yiddish.

Yiddish B. Intermediate Yiddish

Catalog Number: 6147

David Braun

Full course (indivisible). M., W., F., at 11. EXAM GROUP: 4

Further develops the four basic communication skills. Includes selected readings from modern Yiddish literature.

Prerequisite: Yiddish A or equivalent.

Yiddish Ca. Advanced Yiddish I

Catalog Number: 8331

David Braun

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

Yiddish Cb. Advanced Yiddish II

Catalog Number: 8968



David Braun

Half course (spring term). Hours to be arranged.

Prerequisite: Yiddish Ca or equivalent.

[Yiddish 102r. Modern Yiddish Literature I]

Catalog Number: 4013

Ruth R. Wisse

Half course (fall term). Hours to be arranged.

Topic for 2002-03: To be announced.

Note: Expected to be given in 2002–03. Primary readings are in Yiddish (translations available).

Class discussion in English.

[Yiddish 103r. Modern Yiddish Literature II]

Catalog Number: 8269

Ruth R. Wisse

Half course (fall term). Hours to be arranged.

Topic for 2002-2003: To be announced.

Note: Expected to be given in 2002–03.

Yiddish 105. Yiddish Language and Linguistic Theory

Catalog Number: 7146

David Braun

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Yiddish, spoken among Ashkenazic Jews (i.e., Jews of Western and Central European and, later, Eastern European origin) for the past millenium, belongs to the Germanic language family, although its contacts with Slavic and Semitic (Hebrew, Aramaic) have made lasting impressions. Facts of Yiddish phonology, morphology, syntax, and the syntax-semantics-pragmatics interface pose interesting problems for linguistic theory, many of which are not common to other Germanic languages. We will look at a wide range of Yiddish data and will read and discuss some of the more recent analytical attempts to understand these phenomena.

[Yiddish 108. American Jewish Literature]

Catalog Number: 6058

Ruth R. Wisse

Half course (spring term). Hours to be arranged.

Studies major motifs and tensions in Yiddish poetry, prose and drama during the heyday of Jewish immigrant culture when America became one of the world centers of Yiddish culture. Works by Abraham Cahan, Jacob Gordin, Moishe Leib Halpern, Sholem Asch, Jacob Glatstein, Anna Margolin, Isaac Bashevis Singer; the Yiddish influence on Isaac Rosenfeld, Saul Bellow, Irving Howe, and Cynthia Ozick.

Note: Expected to be given in 2003–04.

Yiddish 109. The Yiddish Novel Under Tsars and Stripes

Catalog Number: 6009

Ruth R. Wisse

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



Studies the emergence of the novel as a major Yiddish literary form in Poland, Russia, and the United States. Readings from Sholem Asch, David Bergelson, Isaac Rabon, Der Nister, Jacob Glatstein, I. J. Singer, Isaac Bashevis Singer, Chava Rosenfarb.

Prerequisite: Reading knowledge of Yiddish helpful, but all works will be available in English translation.

Cross-listed Courses

[Comparative Literature 103r. Literature and Politics: The Case of Zionism]

Primarily for Graduates

Yiddish 200r. Modern Yiddish Literature: Seminar

Catalog Number: 4263

Ruth R. Wisse

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Topic for 2001-2002: Yiddish Literature Between the Wars. Studies literary trends in the works of Eliezer Shteynberg, Moyshe Kulbak, Itzik Manger, and Isaac Bashevis Singer, against the changing cultural background of Poland, the Soviet Union, and America.

Prerequisite: Reading knowledge of Yiddish required.

[Yiddish 202r. Yiddish Literature: Seminar]

Catalog Number: 3854

Ruth R. Wisse

Half course (fall term). Hours to be arranged.

Topic for 2001–02: To be announced.

Note: Expected to be given in 2002–03.

Prerequisite: Reading knowledge of Yiddish.

Graduate Courses of Reading and Research

***Yiddish 300. Yiddish Language and Literature**

Catalog Number: 7833

Ruth R. Wisse 3177 (on leave spring term)

Oceanography

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Oceanography



Michael B. McElroy, Gilbert Butler Professor of Environmental Studies (*Chair*)
James J. McCarthy, Alexander Agassiz Professor of Biological Oceanography in the Museum of Comparative Zoology (*on leave fall term*)
Allan R. Robinson, Gordon McKay Research Professor of Geophysical Fluid Dynamics (*on leave 2001-02*)
Daniel P. Schrag, Associate of Pforzheimer House, Professor of Earth and Planetary Sciences (*on leave spring term*)
Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science, Associate of the Harvard Forest
Robert M. Woollacott, Professor of Biology

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.

Philosophy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Philosophy

Christine M. Korsgaard, Arthur Kingsley Porter Professor of Philosophy (*Chair*)
K. Anthony Appiah, Senior Fellow of the Society of Fellows
Melissa Barry, Assistant Professor of Philosophy
Frederick Beiser, Visiting Professor of Philosophy (*University of Indiana*)
Michael Blake, Assistant Professor of Philosophy (*on leave 2001-02*)
Warren Goldfarb, Walter Beverly Pearson Professor of Modern Mathematics and Mathematical Logic (*Head Tutor*)
Paul Guyer, Visiting Professor of Philosophy (*University of Pennsylvania*)
Richard G. Heck, Jr., Professor of Philosophy (*on leave spring term*)
Mark Heller, Visiting Associate Professor of Philosophy (*Southern Methodist University*)
Richard Moran, Professor of Philosophy (*on leave 2002-03*)
Robert Nozick, Associate of Adams House, Senior Fellow of the Society of Fellows, Pellegrino University Professor
Derek Parfit, Visiting Professor of Philosophy (*All Souls College, Oxford*)
Charles D. Parsons, Edgar Pierce Professor of Philosophy (*on leave 2001-02*)



James Pryor, Professor of Philosophy (*on leave spring term*)
Thomas M. Scanlon, Jr., Alford Professor of Natural Religion, Moral Philosophy, and Civil Polity (*Acting Director of Graduate Studies*)
Susanna Siegel, Assistant Professor of Philosophy (*on leave 2002-03*)
Alison Simmons, John L Loeb Associate Professor of Philosophy
Carlos G. Steel, Visiting Professor of Philosophy, Erasmus Lecturer on the History and Civilization of the Netherlands and Flanders (*Catholic University of Leuven, Belgium*)
Gisela Striker, Professor of Classical Philosophy (*on leave spring term*)
Raphael Graham Woolf, Assistant Professor of Philosophy (*on leave 2002-03*)

Other Faculty Offering Instruction in the Department of Philosophy

Eric Lohr, Assistant Professor of History (*on leave 2002-03*)
William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature

Primarily for Undergraduates

Philosophy 3. Introduction to the Problems of Philosophy

Catalog Number: 1996

James Pryor

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Introduction to methods of contemporary philosophy, concentrating on the following questions: What is the relation between your mind and your body? Will computers ever have minds of their own? What makes you the person that you are? Could you survive the death of your body? Would your clone be a different person from you? Is it already settled how the future is going to turn out? Does that mean you have no free will?

Philosophy 7. Introduction to Ancient Philosophy

Catalog Number: 1454

Raphael Graham Woolf

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

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. History of Early Modern Philosophy

Catalog Number: 8947

Alison Simmons

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

A survey of major 17th- and 18th-century philosophers 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, causation, freedom, and human knowledge. Special attention to the rise of mechanistic science (i.e. the “Scientific Revolution”).



***Philosophy 97hf. Tutorial — Sophomore Year**

Catalog Number: 1669

Warren Goldfarb

Half course (throughout the year). Hours to be arranged. EXAM GROUP: Spring: 18

Note: Required of all sophomore concentrators.

***Philosophy 98hf. Tutorial — Junior Year**

Catalog Number: 5533

Warren Goldfarb

Half course (throughout the year). Hours to be arranged.

Note: Required of all junior concentrators.

***Philosophy 99. Tutorial — Senior Year**

Catalog Number: 4396

Warren Goldfarb 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 60. Reason and Morality

[Moral Reasoning 62. Reasoning In and About the Law]

Moral Reasoning 66. Moral Reasoning About Social Protest

Quantitative Reasoning 22. Deductive Logic

For Undergraduates and Graduates

Philosophy 102. Aristotle

Catalog Number: 6236

Gisela Striker

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to Aristotle's philosophy focusing on his metaphysics and epistemology.

Readings will include selections from: *Categories*, *Posterior Analytics*, *Physics* books I and II, and *Metaphysics*.

Prerequisite: At least one half-course in philosophy.

Philosophy 105. Ancient Theories of Mind

Catalog Number: 5062

Raphael Graham Woolf

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

An investigation of the Greek concept of *psuchê* and of ancient theories about the *psuchê*.

Standardly but somewhat misleadingly translated as 'soul', the notion of *psuchê* corresponds in some respects with the modern notion of 'mind' but also has considerably wider scope. The course will concentrate mainly but not exclusively on the role of the *psuchê* as the seat of



mentality. Readings from pre-Socratic authors, Plato, Aristotle, and possibly some post-Aristotelian philosophers.

***Philosophy 115. Problem of Evil in Medieval Philosophy: Proseminar**

Catalog Number: 0130

Carlos G. Steel (Catholic University of Leuven, Belgium)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

A discussion of medieval arguments about evil, focussing on the ontological question (inherited from Neoplatonism): what sort of existence does evil have if it must be understood as a ‘privation’ of the good? After an introduction on the Neoplatonic antecedents of the medieval debate (Proclus-Dionysius and Augustine) we will examine some texts of Thomas Aquinas and confront the scholastic doctrine of evil with its modern critics.

Philosophy 120. The Rationalists

Catalog Number: 2512

Alison Simmons

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

A study of the major writings of Descartes, Malebranche, Spinoza, and Leibniz, focussing on such topics as substance, causation and explanation, God, the natures of and relation between mind and body, and human cognition.

Philosophy 129. Kant’s Critique of Pure Reason

Catalog Number: 0614

Paul Guyer (University of Pennsylvania)

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

A close study of Kant’s first critique with focus on Kant’s analysis of the fundamental capacities of the human mind and the implications of this analysis for his account of the possibility of mathematical and scientific knowledge, for his critique of traditional metaphysics, for his own brand of idealism, and for his distinction between theoretical and practical reason.

Philosophy 132. Hegel

Catalog Number: 8652

Frederick Beiser (University of Indiana)

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A study of Hegel’s epistemology, metaphysics, ethics, and political philosophy, aiming for a broad understanding of Hegel’s system. Following an examination of the context of Hegel’s philosophy (Fichte, Hölderlin, Schiller, Schelling), we will consider Hegel’s response to his contemporaries (his early Jena writings, especially the *Differenzschrift*), and then look at the *Phenomenology*, *Encyclopedia Logic*, and *Philosophy of Right*. Finally, we will consider some central objections to Hegel’s philosophy in Feuerbach, Kierkegaard, and James.

***Philosophy 133z. Nineteenth-Century Philosophy from Fichte to Nietzsche: Proseminar**

Catalog Number: 4710

Frederick Beiser (University of Indiana)

Half course (spring term). W., 4–6. EXAM GROUP: 9

A survey of philosophers, including Fichte, Hegel, Feuerbach, Kierkegaard, Marx, and



Nietzsche, centering on consideration of two grand themes of 19th-century philosophy: alienation and nihilism.

Philosophy 137. The Later Philosophy of Wittgenstein

Catalog Number: 6580

Warren Goldfarb

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

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 of them.

Prerequisite: Two half courses in Philosophy.

Philosophy 143z. Truth

Catalog Number: 3448

Richard G. Heck, Jr.

Half course (fall term). M., W., (F.), at 1. EXAM GROUP: 6

Conceptual and formal issues regarding truth and the liar paradox. Readings from such authors as Austin, Strawson, Ayer, Dummett, Putnam, Tarski, and Kripke.

Prerequisite: Quantitative Reasoning 22 or equivalent preparation.

Philosophy 144. Logic and Philosophy

Catalog Number: 1111

Warren Goldfarb

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Three philosophically important results of modern logic: Gödel's incompleteness theorems; Turing's definition of mechanical computability; Tarski's theory of truth for formalized languages. Discusses both mathematical content and philosophical significance of these results.

Prerequisite: Some knowledge of deductive logic.

Philosophy 146. Philosophy of Language

Catalog Number: 3795

Susanna Siegel

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to the philosophy of language. Topics may include: the relation between meaning and intention; the nature of presupposition; the semantics of ascriptions of beliefs and desires; quantifier domain restriction (how are the universes of discourse of quantified sentences determined?); the distinction between referential and attributive use of descriptions.

Philosophy 153. Personal Identity: Who Am I?

Catalog Number: 7844

Mark Heller (Southern Methodist University)

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

An exploration of the issue of personal identity. What is it that makes me the same person who used to get mugged in the school yards of New York? The main focus will be identity over time,



but we will also discuss identity across possible worlds. What is it that makes it true that I, the same person who is teaching philosophy, might have been a fireman instead?

Philosophy 156. Philosophy of Mind

Catalog Number: 3677

James Pryor

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

A survey of central issues in contemporary philosophy of mind. We will consider: (i) different accounts of the relation between minds and the physical world, including questions about whether computers could ever have thoughts or consciousness; (ii) questions about how much our thoughts and experiences depend on the nature of our environments, and how much they're determined by our own intrinsic make-up; and (iii) problems about how the mental causally interacts with the physical.

***Philosophy 157y. Philosophy of Color: Proseminar**

Catalog Number: 2543

James Pryor and Alison Simmons

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Examines some metaphysical questions about color: Is color an objective property or is it subjective in important ways? (If the latter, in which ways?) Are physical objects really colored? (If not, is anything?) Also examines questions about our perceptual experience of color: Do you and I have the same experiences when we look at tomatoes? Are those experiences representational? Do they mislead us? Finally, examines the relationship between scientific and philosophical investigations of color.

Prerequisite: Philosophy 156 or equivalent.

***Philosophy 166z. Identity and Individuality: Race, Society, and State: Proseminar**

Catalog Number: 1148

K. Anthony Appiah

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Nowadays we often suppose we should respect people's diverse identities both in our institutions and in our everyday dealings with one another. But we also value individuality, believing that people should be free to shape their lives for themselves. These two ideas seem to make conflicting demands on political morality; one topic that fruitfully illuminates these tensions is that of race. This course will explore these tensions.

***Philosophy 167. Feminist Perspectives in Moral and Political Philosophy: Proseminar**

Catalog Number: 4890

Melissa Barry

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An examination of how feminist philosophers have invited a rethinking of central ideas in moral and political philosophy including human nature, equality, autonomy, rights, justice, free speech, contract, consent, and the public/private distinction. We will consider foundational philosophical questions about objectivity, truth, relativism, and the nature of reason. Relative to feminist theorizing, we will ask: Which methods are appropriate? Is there a unified category of "gender" that can be the focus of our theorizing?



Philosophy 169. Morality and Action

Catalog Number: 8138

Thomas M. Scanlon, Jr.

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Various views of the rational and motivational basis of action and their implications for the nature of moral requirements, moral appraisal, and moral responsibility.

Philosophy 172. The History of Modern Moral Philosophy

Catalog Number: 5184

Christine M. Korsgaard

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

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 174. Recent Ethical Theory

Catalog Number: 5525

Melissa Barry

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

An examination of central issues in contemporary normative ethics, including the strengths and weaknesses of consequentialism, the nature and justification of deontological constraints, the difference between agent-neutral and agent-relative reasons for action, and the potential conflict between moral requirements and personal projects.

[*Philosophy 188r. Philosophy and Literature: Dostoevsky: Proseminar]

Catalog Number: 8454 Enrollment: Limited to 20.

Robert Nozick and William Mills Todd III

Half course (spring term). Hours to be arranged.

An examination of Dostoevsky's philosophical ideas and how they function in his fiction. What is gained and what is lost by presenting philosophical ideas in works of fiction rather than in discursive prose? Reading of Dostoevsky's major works with a view to showing how the problems they contain (social, psychological, political, as well as metaphysical and philosophical) are inseparable not only from his time but from the distinctive novelistic form he created.

Note: Expected to be given in 2003–04.

***Philosophy 189z. Aesthetics: Proseminar**

Catalog Number: 0374

Richard Moran

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Problems in the nature of visual representation, particularly photography. We will discuss the difference between verbal and visual representation, including the difference between saying and showing; and the differences between pictures made “by hand” and images recorded and reproduced mechanically. These differences will be considered in the context of their



significance for our epistemic, aesthetic, and moral responses to them. Readings include Barthes, Bazin, Benjamin, Berger, Cavell, Sontag and others.

***Philosophy 191. Philosophy and History: The Russian Revolution: Proseminar**

Catalog Number: 2051 Enrollment: Limited to 20.

Robert Nozick and Eric Lohr

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

An examination of selected philosophical and methodological issues concerning historical explanation, evidence, causation, contingency, objectivity, and narrative, in the context of a detailed case study of the Russian Revolution and its aftermath.

Cross-listed Courses

Afro-American Studies 125. Philosophical Problems of Race and Racism

Classics 100. Ancient Cosmology and Mechanics

Greek 110r. Plato's Hippias Minor and Hippias Major

Greek 150. Greek Rhetoric

History of Science 106. History of Ancient Science

[History of Science 107. History of Medieval Science]

Islamic Civilizations 145. Islamic Philosophy and Theology

[Mathematics 141. Introduction to Mathematical Logic]

Mathematics 144. Model Theory and Algebra

Primarily for Graduates

***Philosophy 202. Plato's Theaetetus: Seminar**

Catalog Number: 6382

Raphael Graham Woolf

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A close reading of Plato's most elaborate discussion of the nature of knowledge. The course will tackle the dialogue's position on this and other related themes that feature prominently: perception, belief, and the relation of mind to world.

***Philosophy 223. Early Modern Theories of Mind: Seminar**

Catalog Number: 3068

Alison Simmons

Half course (fall term). M., 4–6. EXAM GROUP: 9

A close examination of views on mental representation, consciousness, and cognition in early modern theories of mind, including that of Descartes, Arnauld, Malebranche, and Leibniz.

***Philosophy 225. Kant's Religious and Political Philosophy: Seminar**

Catalog Number: 7789

Christine M. Korsgaard

Half course (fall term). W., 4–6. EXAM GROUP: 9

Kant's accounts of politics and religion are grounded in the moral agent's need for a vision of how the "Kingdom of Ends" can be realized. We will study these accounts and the relations



between them.

Prerequisite: Philosophy 168 or permission of the instructor.

***Philosophy 231. Kant's Third Critique: Seminar**

Catalog Number: 5254

Paul Guyer (University of Pennsylvania)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

A study of Kant's *Critique of Judgment*, focusing on Kant's analyses of taste, the beautiful, the sublime, and genius; his theory of fine art; and his unification of theoretical and practical reason through teleology.

***Philosophy 244. Possible Worlds: Seminar**

Catalog Number: 9306

Mark Heller (Southern Methodist University)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

The course explores the ontology of possible worlds and the role of context in determining which worlds are relevant to a given modal discourse.

***Philosophy 247r. Philosophy of Language: Reference and Communication: Seminar**

Catalog Number: 8402

Susanna Siegel

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

What are referring expressions; under what circumstances can an expression be used referentially; is there a single kind of mental state required to understand such uses; what is the referential/attributional distinction and what is its significance, with respect to definite descriptions, phrases of the form “that F”, and indexicals.

***Philosophy 250. Vagueness**

Catalog Number: 7424

Richard G. Heck, Jr.

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Recent work on vagueness.

***Philosophy 275. Practical Reason and Ethics: Seminar**

Catalog Number: 4228

Derek Parfit (All Souls College, Oxford)

Half course (spring term). Tu., Th., 4–6. First course meeting Monday, 9/23, from 2-4 p.m. in Emerson Hall 107 Professor . EXAM GROUP: 18

Kant's ethics, Scanlon's contractualism, reasons for believing, caring, and acting, rationality, normativity, naturalism, non-cognitivism, non-reductive realism.

***Philosophy 276. Topics in Bioethics**

Catalog Number: 8040 Enrollment: Limited to 25.

Frances Kamm (Kennedy School)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An examination of selected practical issues in bioethics and aspects of normative ethical theory



bearing on them. Topics include aggregation and the distribution of scarce resources, discrimination and disability, death and physician-assisted suicide, abortion. Readings will be drawn from contemporary philosophical sources.

Note: Offered jointly with the Kennedy School of Government as API-604.

Prerequisite: At least one course in Ethics.

***Philosophy 299hf. Individual Supervision**

Catalog Number: 8076

Thomas M. Scanlon, Jr. and Members of the Department

Half course (throughout the year). Hours to be arranged.

Note: Required of candidates for the A.M. or Ph.D. in Philosophy. Consult the Department's

Supplement to the General Announcement for details.

Cross-listed Courses

***Arabic 249r. Arabic Philosophical Texts: Seminar**

Arabic 250r. Arabic Theological Texts: Seminar

***History of Science 206r. Ancient Science: Seminar**

***History of Science 207r. Medieval Science: 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**

Graduate Courses of Reading and Research

***Philosophy 300a. Colloquium**

Catalog Number: 5615

Thomas M. Scanlon, Jr. 7986

Half course (fall term). Hours to be arranged.

An intensive study—in small, informal seminars—of selected problems in contemporary philosophy.

Note: Open only to first-year graduate students in the Department.

***Philosophy 300b. Colloquium**

Catalog Number: 6280

Richard Moran 1786 (on leave 2002-03)

Half course (spring term). Hours to be arranged.

Continuation of Philosophy 300a.

***Philosophy 303. Colloquium: Dissertation Presentations**

Catalog Number: 1089

Richard Moran 1786 (on leave 2002-03) and Thomas M. Scanlon, Jr. 7986

Half course (fall term; repeated spring term). Hours to be arranged.

***Philosophy 305. Individual Reading and Research**

Catalog Number: 4462



K. Anthony Appiah 3067, Melissa Barry 3037, Frederick Beiser (University of Indiana) 4189, Michael Blake 1471 (on leave 2001-02), Warren Goldfarb 4499, Paul Guyer (University of Pennsylvania) 4019, Richard G. Heck, Jr. 2993 (on leave spring term), Christine M. Korsgaard 2994, Richard Moran 1786 (on leave 2002-03), Robert Nozick 2999, Derek Parfit (All Souls College, Oxford) 2066, Charles D. Parsons 2298 (on leave 2001-02), James Pryor 2190 (on leave spring term), Thomas M. Scanlon, Jr. 7986, Susanna Siegel 2441 (on leave 2002-03), Alison Simmons 1300, Gisela Striker 2271 (on leave spring term), and Raphael Graham Woolf 2488 (on leave 2002-03)

Half course (fall term; repeated spring term). Hours to be arranged.

***Philosophy 310. Research Seminars**

Catalog Number: 4465

K. Anthony Appiah 3067, Melissa Barry 3037, Frederick Beiser (University of Indiana) 4189, Michael Blake 1471 (on leave 2001-02), Warren Goldfarb 4499, Paul Guyer (University of Pennsylvania) 4019, Richard G. Heck, Jr. 2993 (on leave spring term), Christine M. Korsgaard 2994, Richard Moran 1786 (on leave 2002-03), Robert Nozick 2999, Derek Parfit (All Souls College, Oxford) 2066, Charles D. Parsons 2298 (on leave 2001-02), James Pryor 2190 (on leave spring term), Thomas M. Scanlon, Jr. 7986, Susanna Siegel 2441 (on leave 2002-03), Alison Simmons 1300, Gisela Striker 2271 (on leave spring term), and Raphael Graham Woolf 2488 (on leave 2002-03)

Small seminars on specialized topics, to be arranged when practicable by these members of the Department in consultation with graduate students who are suitably prepared. When topics of such seminars are decided far enough in advance, the seminars will be listed individually with numbers from 311 through 398.

***Philosophy 311. Workshop on Moral and Political Philosophy**

Catalog Number: 5370

Melissa Barry 3037, Christine M. Korsgaard 2994, and Thomas M. Scanlon, Jr. 7986

Half course (fall term; repeated spring term). Hours to be arranged.

A forum for the presentation and discussion of work in progress by students and faculty working in the areas of moral and political philosophy. Open only to graduate students in the Philosophy Department and by special invitation of the instructors.

Note: Meets approximately every two weeks throughout the year.

***Philosophy 333. Preparation for the Topical Examination**

Catalog Number: 1967

K. Anthony Appiah 3067, Melissa Barry 3037, Michael Blake 1471 (on leave 2001-02), Warren Goldfarb 4499, Richard G. Heck, Jr. 2993 (on leave spring term), Christine M. Korsgaard 2994, Richard Moran 1786 (on leave 2002-03), Robert Nozick 2999, Charles D. Parsons 2298 (on leave 2001-02), James Pryor 2190 (on leave spring term), Thomas M. Scanlon, Jr. 7986, Susanna Siegel 2441 (on leave 2002-03), Alison Simmons 1300, Gisela Striker 2271 (on leave spring term), and Raphael Graham Woolf 2488 (on leave 2002-03)

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



K. Anthony Appiah 3067, Melissa Barry 3037, Michael Blake 1471 (on leave 2001-02), Stanley Cavell 2087, Warren Goldfarb 4499, Richard G. Heck, Jr. 2993 (on leave spring term), Christine M. Korsgaard 2994, Richard Moran 1786 (on leave 2002-03), Robert Nozick 2999, Charles D. Parsons 2298 (on leave 2001-02), James Pryor 2190 (on leave spring term), Hilary Putnam 2838, Thomas M. Scanlon, Jr. 7986, Susanna Siegel 2441 (on leave 2002-03), Alison Simmons 1300, Gisela Striker 2271 (on leave spring term), and Raphael Graham Woolf 2488 (on leave 2002-03)

Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Physics

Gerald Gabrielse, Professor of Physics (*Chair*)
 Nima Arkani-Hamed, Visiting Assistant Professor of Physics (*University of California, Berkeley*)
 Howard C. Berg, Professor of Molecular and Cellular Biology and Professor of Physics
 George W. Brandenburg, Senior Research Fellow in Physics
 Sidney Coleman, Donner Professor of Science
 Eugene A. Demler, Assistant Professor of Physics
 John M. Doyle, Professor of Physics (*on leave fall term*)
 Gary J. Feldman, Frank B. Baird, Jr. Professor of Science
 Daniel S. Fisher, Professor of Physics and Professor of Applied Physics
 Andrew Foland, Assistant Professor of Physics
 Melissa Franklin, Professor of Physics
 Peter L. Galison, Harvard College Professor and the Mallinckrodt Professor of the History of Science and of Physics (*on leave 2001-02*)
 Howard Georgi, Mallinckrodt Professor of Physics
 Roy J. Glauber, Mallinckrodt Professor of Physics
 Jene A. Golovchenko, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)
 Bertrand I. Halperin, Hollis Professor of Mathematicks and Natural Philosophy
 Lene V. Hau, Gordon McKay Professor of Applied Physics and Professor of Physics
 Thomas C. Hayes, Lecturer on Physics, Instructional Laboratory Associate in Physics
 Eric J. Heller, Professor of Chemistry and Physics (*on leave fall term*)
 Paul Horowitz, Professor of Physics and of Electrical Engineering
 John Huth, Professor of Physics
 Arthur M. Jaffe, Landon T. Clay Professor of Mathematics and Theoretical Science (*on leave 2001-02*)



Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)

Margaret E. Law, Senior Lecturer on Physics (*Director of Undergraduate Studies*)

Mikhail D. Lukin, Assistant Professor of Physics

Charles M. Marcus, Professor of Physics (*Director of Graduate Studies*)

Paul C. Martin, John H. Van Vleck Professor of Pure and Applied Physics

Eric Mazur, Harvard College Professor, Gordon McKay Professor of Applied Physics and Professor of Physics

Shiraz Minwalla, Assistant Professor of Physics

Masahiro Morii, Assistant Professor of Physics

Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences and Professor of Physics

David R. Nelson, Mallinckrodt Professor of Physics and Professor of Applied Physics

Peter S. Pershan, Gordon McKay Professor of Applied Physics and Professor of Physics

Mara Prentiss, Professor of Physics (*on leave spring term*)

Irwin I. Shapiro, Timken University Professor

Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences

Andrew Strominger, Professor of Physics (*on leave spring term*)

Michael Tinkham, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics

Cumrun Vafa, Professor of Physics

Steven Weinberg, Morris Loeb Visiting Professor of Physics (*University of Texas, Austin*)

David A. Weitz, Gordon McKay Professor of Applied Physics and Professor of Physics

Robert M. Westervelt, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave fall term*)

Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)

Xiaowei Zhuang, Assistant Professor of Chemistry and Chemical Biology and of Physics

Other Faculty Offering Instruction in Physics

Gerald Holton, Mallinckrodt Professor of Physics and Professor of the History of Science, Emeritus

Ronald L. Walsworth, Associate of the Harvard College Observatory, Lecturer on Astronomy

The Physics Department offers three separate sequences of introductory courses: Physics 1a and 1b at the introductory calculus level and Physics 11a, 11b or Physics 15a, 15b, 15c at the intermediate calculus background. Students with strong preparation may also enter the 15 sequence by taking Physics 16 instead of Physics 15a. 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.



Students who do not plan to continue in physics and have sufficient mathematical skills may wish to take the one year Physics 11 sequence. Physics 11a and 11b offer, in two semesters, classical physics at a level comparable to the longer Physics 15 sequence, but covering fewer topics.

Physics 1a and 1b present a self-contained treatment of classical and modern physics in one year, but at a lower mathematical level than the Physics 11 sequence. Physics 1a and 1b are designed to meet the requirements of all medical schools. Most medical schools will also accept the Physics 15 or Physics 11 sequences. Some prefer that more than two half courses in physics be taken. Premedical students should inquire at the medical schools to which they expect to apply.

Students who do not intend to devote more than one year to the study of physics, and especially those not concentrating in a physical science or mathematics, will probably find that Physics 1a and 1b, with their broader range of subject matter, will more appropriately serve their needs than Physics 11a and 11b.

Further details may be found under the individual course headings.

Primarily for Undergraduates

Physics 1a. Principles of Physics: Mechanics

Catalog Number: 7422

David A. Weitz and Eric Mazur

Half course (fall term). Tu., Th., 8:30–10, plus twice weekly conference sections and six laboratory sessions to be arranged. EXAM GROUP: 11

An introduction to classical mechanics: kinematics, Newton's laws of motion, conservation laws, oscillations, and thermodynamics as understood from the kinetic theory of particles. Brief applications of these ideas to elasticity and fluids as helpful preparation for the MCAT exams are included.

Note: Not designed as an introductory course for physics concentrators; those students should take Physics 15a or 16. Students who have taken Mathematics 21a or the equivalent and desire a one-year survey course may wish to take Physics 11a and 11b in order to make full use of their mathematical background. Physics 1a may not ordinarily be taken for credit in addition to Physics 11a, 15a, 16, or Science A-15. Both Physics 1a and 1b must be taken together to fulfill the Science A requirement.

Prerequisite: Mathematics 1b or the equivalent. Students with a lower level of mathematical preparation should consult the instructor.

Physics 1b. Principles of Physics: Electricity, Waves, Nuclear Physics

Catalog Number: 7483

Eric Mazur

Half course (spring term). Tu., Th., 11:30–1, plus twice weekly conference sections and five laboratory sessions to be arranged. EXAM GROUP: 13, 14

A continuation of Physics 1a: electricity and magnetism, direct-current and alternating-current circuits, sound and light, radioactivity and nuclear physics.



Note: May not ordinarily be taken for credit in addition to Physics 11b or 15b. Both Physics 1a and 1b must be taken together to fulfill the Science A requirement.

Prerequisite: Physics 1a and Mathematics 1b, or the equivalent.

Physics 11a. Mechanics

Catalog Number: 3131

Melissa Franklin and Andrew Foland

Half course (fall term). Lectures, Tu., Th., 11:30–1; weekly ninety-minute discussion sections.

EXAM GROUP: 13

Physics 11a is the first half of a one-year physics sequence. It provides an introduction to classical mechanics, including the laws of conservation of energy, momentum, and angular momentum; the translational motion of particles, rigid bodies, and fluids; the rotational motion of rigid bodies; the general description of waves and optics. 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.

Physics 11b. Electricity, Magnetism, and Waves

Catalog Number: 5472

Andrew Foland and Melissa Franklin

Half course (spring term). Lectures, Tu., Th., 10–11:30, weekly ninety-minute discussion sections, and one three-hour laboratory session every two weeks. EXAM GROUP: 12, 13

Physics 11b is the second half of a one-year physics sequence. It covers the basic phenomena of electricity and magnetism, elements of circuits with selected applications, Maxwell's equations, electromagnetic waves and optics, and a brief introduction to quantum physics.

Note: May not be taken for credit by students who have passed Physics 15b or Physics 15c.

Prerequisite: Physics 11a; Mathematics 21a or 23a.

Physics 15a. Introductory Mechanics and Relativity

Catalog Number: 1984

Cumrun Vafa (fall term) and George W. Brandenburg (spring term)

Half course (fall term; repeated spring term). Tu., Th., 10–11:30, and a weekly two-hour discussion section. EXAM GROUP: 13

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; special relativity.

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

Mara Prentiss (fall term) and Howard Georgi (spring term) and assistants

Half course (fall term; repeated spring term). Fall: Tu., Th., 11:30–1; Spring: Tu., Th., 10–11:30; and a weekly two-hour discussion section and three-hour laboratory session every two



weeks. EXAM GROUP: Fall: 14; Spring: 12, 13

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.

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

Nima Arkani-Hamed (University of California, Berkeley) (fall term) and Masahiro Morii (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1–2:30, and three hours per week of conference and laboratory. EXAM GROUP: 15

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.

Prerequisite: Physics 15b and mathematics preparation at the level of Mathematics 21b taken concurrently. Some prior knowledge of complex numbers (for example as taught in Mathematics 1b) is helpful. Multivariable calculus is used in the treatment of the wave equation, but plays a much less central role than in Physics 15b.

Physics 16. Mechanics and Special Relativity

Catalog Number: 2019

Howard Georgi

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 13

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.

Prerequisite: Score of 4 or 5 on the mechanics section of the Physics C Advanced Placement exam, or equivalent. Mathematics preparation at least at the level of Mathematics 21a taken concurrently is required. Thorough knowledge of calculus of one variable and vectors plus some mathematical sophistication. The mathematical level will be significantly higher than that of Physics 15a.

***Physics 90r. Supervised Research**

Catalog Number: 2460

*Margaret E. Law and members of the Department**Half course (fall term; repeated spring term). Hours to be arranged.*

Note: Ordinarily open to 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

*Margaret E. Law 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 Web page. Course enrollment forms may be obtained from Lyman 233.

***Physics 95. Topics in Current Research**

Catalog Number: 2806

*Isaac F. Silvera**Half course (fall term). M., 3–4, W., 7:30–9 p.m. EXAM GROUP: 8, 9*

The goal of this physics tutorial is to guide students in the transition from learning physics by subject (e.g., electricity and magnetism, quantum mechanics, etc.) to appreciating physics as an intense, diverse discipline of modern research. Examples from experimental and theoretical, high and low energy physics are presented. Every Wednesday evening, a physics faculty member speaks on his/her area of research. Each presentation is preceded by assigned reading and a lecture designed to introduce students to some of the basic physics of the area discussed, as well as to important developments and burning problems being addressed at the frontiers of research.

Note: Intended mainly for junior and senior concentrators.

Cross-listed Courses**Astronomy 45. Introduction to Astrophysics**
Science A-29. The Nature of Light and Matter***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 121. History and Philosophy of 20th-Century Physics]

Catalog Number: 0160

Peter L. Galison

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to the history and philosophy of physics for students with a strong undergraduate background in science. Topics include relativity, quantum theory, weapons development, and modern ideas about unification.

Note: Expected to be given in 2002–03. May not be taken for credit by students who have taken History of Science 120.

Prerequisite: An introductory course in college physics, preferably at the level of Physics 15c.

Physics 123. Laboratory Electronics

Catalog Number: 0864 Enrollment: Limited to 22 students per section.

Paul Horowitz and Thomas C. Hayes (fall and spring)

Half course (fall term; repeated spring term). Section I, Tu., Th., 1:30–5; Section II, W., F., 1:30–5. Regardless of section choice, all students must attend first course meeting on 9/12 or 1/30 at 1:30 p.m. in Science Center 206. EXAM GROUP: 6

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. The treatment moves quickly from passive circuits, through design with discrete transistors, then concentrates on the application of integrated operational amplifiers to make a variety of circuits including integrators, oscillators, regulators, and filters. The digital half of the course emphasizes the use of programmable logic devices, microprocessors, and microcontrollers, while treating issues that arise in interfacing both analog and digital devices to a computer. Provides an overview of radio and television, digital audio, signal averaging, and construction techniques.

Physics 125. Widely Applied Physics

Catalog Number: 6990

Ronald L. Walsworth

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Applies elementary physics to real things and practical situations. Emphasis is on developing physical intuition and the ability to do order-of-magnitude calculations. New physical concepts are introduced as necessary. Example topics: the Big Bang, stars, nuclear reactions, and searches for extra-solar planets; aerodynamics, rockets and spacecraft; materials properties; electronic noise, lasers, and the global positioning system; magnetic resonance imaging, physiology of major organs, and health risks; energy use and production; climate and global change.

Note: Physics 143a and 181 are very helpful, but not required.

Prerequisite: Physics 15a,b,c, and mathematics at the level of Mathematics 21a (which may be taken concurrently).

Physics 140. Introduction to Biophysics

Catalog Number: 5394

Howard C. Berg and David R. Nelson



Half course (spring 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: To be 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/15b or Physics 11a/11b or permission of the instructor. Some familiarity with elementary statistical mechanics helpful.

Physics 143a. Quantum Mechanics I

Catalog Number: 1050

John M. Doyle (fall term) and Cumrun Vafa (spring term)

Half course (fall term; repeated spring term). Fall: M., W., 12–1:30; Spring: Tu., Th., 10–11:30.

EXAM GROUP: Fall: 5, 6; Spring: 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

Further techniques and applications of quantum mechanics, including approximation methods for time-dependent problems, several and many-particle systems, interaction of quantum systems with radiation and external fields, variational methods, collision theory, and measurement theory.

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 p.m. as needed. EXAM GROUP: 3

Introduction to elementary particle physics. Emphasis is on concepts and phenomenology rather than on a detailed calculational development of theories. Starts with the discovery of the electron in 1897, ends with the theoretical motivation for the Higg's boson, and attempts to cover everything important in between. Taught partly in seminar mode, with each student presenting a classic paper of the field.

Prerequisite: Physics 143a. Physics 143b or equivalent is useful.

Physics 151. Mechanics

Catalog Number: 2068



Masahiro Morii

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; action principles, Hamilton's equations; symmetry and conservation laws, Hamilton-Jacobi theory and phase space dynamics. Applications to celestial mechanics, quantum mechanics, rigid body motion, the theory of small oscillations and classical fields, and nonlinear oscillations, including chaotic systems will be 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

Michael Tinkham

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Aimed at advanced undergraduates. Emphasis on the properties and sources of the field vectors and on the wave aspect of the electromagnetic fields. Course starts with electrostatics and subsequently develops the Maxwell equations. Topics: electrostatics, dielectrics, magnetostatics, electrodynamics, wave propagation in various media, reflection and refraction, radiation, antennas and interference. In addition, a number of applications of electrodynamics 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 165. Modern Atomic, Molecular, and Optical Physics

Catalog Number: 0348

John M. Doyle

Half course (spring term). M., W., 12–1:30. EXAM GROUP: 5, 6

Modern atomic, molecular, and optical physics includes the use of coherent electromagnetic radiation to probe and control atomic systems, use of traps to isolate atoms, molecules, and elementary particles for studies of ultracold quantum degenerate matter and precision tests of the standard model; resonance methods. Goals of this course include acquainting students with these and other modern research topics while providing the foundations of modern atomic, molecular and optical physics research.

Prerequisite: Physics 143a and 143b.

Physics 181. Statistical Mechanics and Thermodynamics

Catalog Number: 6346

Robert M. Westervelt

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Introduction to thermal physics: basic concepts of thermodynamics (energy, heat, work, temperature, 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 Pershan (fall and spring), Robert M. Westervelt (fall term), Isaac F. Silvera (spring term) and Mikhail Lukin (spring term)*

Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: 15, 16, 17

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: The course cooperates with Applied Physics 191; experiments from that course may be chosen when available. 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

Michael Tinkham

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: 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.

[Physics 197. Computational Physics Methods and Applications]

Catalog Number: 8653

Efthimios Kaxiras

Half course (spring term). Hours to be arranged.

This course develops computational approaches for understanding physical systems, and illustrates the applications of such approaches to specific problems. The methods to be covered include: numerical differentiation and integration, solution of ordinary and partial differential equation, eigensystems, and stochastic approaches like Monte Carlo and genetic algorithms for statistical sampling and optimization of multi-variable systems. The emphasis is on developing the ability to handle both simple and complex physical systems which are analytically intractable. Examples will be drawn from several diverse fields of physics. Familiarity with a programming language (Like Fortran or C) is assumed.

Note: Expected to be given in 2002–03. May not be taken for credit by students who have taken Applied Physics 197.



Prerequisite: Background in mathematics at the level of Applied Mathematics 105b, which may be taken concurrently.

Cross-listed Courses

[Applied Physics 195. Introduction to Solid State Physics]

[Applied Physics 217. Photons and Atoms](#)

[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. Molecular Biophysics and Biophysical Chemistry: Structure and Conformational Dynamics of Bio-macromolecules](#)

[Earth and Planetary Sciences 106. Introduction to Planetary Physics]

[Engineering Sciences 120. Introduction to the Mechanics of Solids](#)

[Engineering Sciences 123. Introduction to Fluid Mechanics](#)

[Engineering Sciences 154. Electronic Devices and Circuits](#)

[Engineering Sciences 181. Thermodynamics](#)

[Engineering Sciences 190. Introduction to Materials Science](#)

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., 1–2:30. EXAM GROUP: 6, 7

An introduction to general relativity: Riemannian geometry; the Principle of Equivalence; Einstein's field equations; the Newtonian limit; gravitational radiation; experimental tests; Penrose diagrams; black holes.

Prerequisite: Physics 151 and 153, and Mathematics 21 or equivalents.

[Physics 218. Modern Dynamical Systems](#)

Catalog Number: 1362

Eric J. Heller

Half course (spring term). Tu., Th., 11:30-1. EXAM GROUP: 13, 14

Introduction to modern topics in dynamical systems and classical Hamiltonian theory, including nonlinear systems and chaos. Modern topics include iterated maps, Poincare maps, nonlinear resonance theory, KAM theory, structure of phase space, mixing and entropy production, bifurcation theory, homoclinic tangles, Smale horseshoes, fractal repellers and numerical



methods.

Prerequisite: Physics 151 and 143a,b or equivalent; Applied Math 201,202 or equivalent.

Physics 232a. Electromagnetism I

Catalog Number: 4885

Jene A. Golovchenko

Half course (fall term). M., W., 9:30–11. EXAM GROUP: 2, 3

Static and dynamic classical electromagnetic phenomena based on the Maxwell-Lorentz equations. Geometrical foundations, field equations, constitutive relations, special functions, scalar and vector multipole expansions, exact solutions, relaxation methods, conservation theorems, wave propagation and radiation, connections with other field theories. Illustrations include particle traps, spin resonance, screening, Kapitza potentials, reactive and dissipative systems, radiation resistance and antenna theory.

Prerequisite: Physics 153 and Applied Mathematics 105a,105b, or equivalent.

Physics 232b. Electromagnetism II

Catalog Number: 7246

Paul C. Martin

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Interaction of radiation and matter. Emission, scattering, and absorption of radiation by electrons, nuclei, atoms, and molecules. Universal and material-specific dielectric properties of fluids, plasmas, and solids. Propagation, diffraction, and absorption of light and x-rays. Magnetohydrodynamics and phenomenological superconductivity.

Prerequisite: Physics 232a or equivalent, and Physics 143b or Physics 251a.

Physics 245. Relativistic Quantum Mechanics with Applications

Catalog Number: 3551

John Huth

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Basic techniques of relativistic quantum mechanics and field theory, including Feynman diagrams, with applications. Emphasis is given to the basic concepts of quantum field theory and their applications in the phenomenology of elementary particle physics. Applications covered include QED, weak interactions, and an introduction to the standard electroweak model.

Prerequisite: Two semesters of quantum mechanics, e.g., Physics 143a,b 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 (fall and spring), Robert M. Westervelt (fall term), Isaac F. Silvera (spring term), and Mikhail Lukin (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: 15, 16, 17

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: The course cooperates with Applied Physics 210r. A substantial amount of outside reading may be required.

[Physics 248. Phenomena of Elementary Particle Physics]

Catalog Number: 5431

Melissa Franklin

Half course (spring term). Hours to be arranged.

A systematic introduction to the phenomena of elementary particle interactions. Topics: symmetries, hadron spectroscopy, deep inelastic scattering and structure functions, QCD, heavy quark production and decay, CP violation, symmetry breaking, Higg's mechanism, and others.

Note: Expected to be given in 2002–03.

Prerequisite: Physics 245 or equivalent.

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 Schrodinger 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

Time-dependent perturbations; quantized radiation field; absorption and emission of radiation; identical particles and second quantization; symmetry groups.

Prerequisite: Physics 251a.

Physics 253a. Quantum Field Theory

Catalog Number: 8050

Sidney Coleman

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduction to relativistic quantum mechanics and quantum field theory. Canonical quantization, scalar and spinor fields, scattering theory, Feynman diagrams, renormalization.

Prerequisite: Physics 251a,b or equivalents.

Physics 253b. Quantum Field Theory

Catalog Number: 5250

Sidney Coleman

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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 262. Statistical Physics]

Catalog Number: 1157

David R. Nelson

Half course (fall term). Hours to be arranged.

Basic principles of statistical physics and thermodynamics, with applications including: the equilibrium properties of classical and quantum gases; phase diagrams, phase transitions and critical points, as illustrated by the gas-liquid transition and simple magnetic models; fluctuations about equilibrium, Langevin equations and Fokker-Planck descriptions of time-dependent phenomena.

Note: Expected to be given in 2002–03. It is suggested that students may wish to take Applied Physics 284 when this course is bracketed.

Prerequisite: Ordinarily, Physics 143a,b and Physics 181 or Engineering Sciences 181.

Physics 264. Group Theory with Application to Particle Physics

Catalog Number: 5317

Nima Arkani-Hamed (University of California, Berkeley)

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Introduces the theory of Lie groups and their representations. Emphasizes compact groups and applications to particle physics.

Prerequisite: Physics 143a and 143b or equivalent.

[Physics 265 (formerly Physics 265r). Photons and Atoms]

Catalog Number: 4203

Lene V. Hau

Half course (spring term). Hours to be arranged.

Coherent and squeezed light, Casimir force, cooling and trapping of neutral atoms and charged particles, atomic fountains, atomic clocks, atom interferometry, electromagnetically-induced transparency, Slow Light, Bose-Einstein condensation including necessary statistical mechanics and many-body theory.

Note: Expected to be given in 2003–04. Students may wish to take Applied Physics 217, whose content is very similar, when this course is bracketed.

Prerequisite: Graduate level course in electromagnetism/electrodynamics (Physics 232a for example) and one semester of intermediate or advanced quantum mechanics (Physics 251b for example). AP216 recommended.

[Physics 266. Topics in Bose-Einstein Condensation and Superfluidity]

Catalog Number: 0104

Isaac F. Silvera

Half course (spring term). Hours to be arranged.

This special topics course will present a deep treatment of Bose-Einstein condensation and superfluidity in fluids of identical bosons. Both the homogeneous systems such as superfluid helium and the inhomogeneous systems such as the alkali gases and spin-polarized hydrogen will be considered in three and two dimensions. The material will be balanced between theory and experiment. Degenerate Fermion systems will also be discussed.

Note: Expected to be given in 2002–03.

Prerequisite: Quantum mechanics and statistical mechanics.


[Physics 268r. Theory of Many-Particle Systems]

 Catalog Number: 7951

Half course (spring term). Hours to be arranged.

An introduction to the modern theory of phase transitions presented using examples drawn from quantum many-body systems. Physics of the quantum Ising model, magnetically ordered and spin-gap states of antiferromagnets, the superfluid-insulator transition, and phases of Fermi liquids. Bosonization methods in one dimension. Other topics drawn from current research depending on student interest.

Note: Expected to be given in 2002–03. Expected to be omitted in 2003–04.

Prerequisite: Physics 262 or equivalent.

Physics 270. Experiments and Ideas in Mesoscopic Physics

Catalog Number: 0788

Charles M. Marcus
Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

This special topics course introduces the subject of mesoscopic quantum effects in small electronicsystems, including conductance fluctuations, localization, electron interference, and persistence currents in metals and semiconductors. More or less attention will be given to specialized topics such as hybrid superconducting systems, magnetic and Kondo systems, clean (ballistic) systems, dynamical effects, and the high magnetic field regime, depending on the interests of participants. The reading list will focus primarily on the experimental literature, augmented by recent texts and reviews. The format of the course will be a combination of lectures and journal-club-style presentations.

Prerequisite: Basic familiarity with quantum mechanics and solid state physics at the level of undergraduate courses.

Physics 283r (formerly Physics 283). The Standard Model

Catalog Number: 3620

Lisa Randall
Half course (fall term). W., F., 2:30–4. EXAM GROUP: 7, 8

Theory and phenomenology of the Standard Model of particle physics and its extensions. Focus will be on the $SU(2) \times U(1) \times SU(3)$ gauge theory of the electroweak and strong interactions and underlying physics that can generate the electroweak symmetry breaking scale. Topics might include effective field theories, supersymmetry, and theories of physics with extra dimensions.

Prerequisite: Physics 253a,b or equivalent.

Physics 285. Quantum Optics

Catalog Number: 3264

Mikhail D. Lukin
Half course (fall term). M., W., 11:30–1. EXAM GROUP: 4, 5

Introduction to quantum optics. Dissipation in quantum systems. Semiclassical and quantum theories of interactions between light and matter. Nonlinear optics and spectroscopy. Quantum phenomena in nonlinear systems. Basic ideas of atom cooling and quantum information.

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

Shiraz Minwalla

Half course (fall term). Tu., Th., 2:30-4. EXAM GROUP: 16, 17

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.

Prerequisite: Physics 253a,b or equivalent.

Physics 287br (formerly Physics 287b). Topics in String Theory

Catalog Number: 4555

Shiraz Minwalla

Half course (spring term). Tu., Th., 2:30-4. EXAM GROUP: 16, 17

A selection of topics from current areas of research on string theory.

Prerequisite: Physics 287a.

Cross-listed Courses

Applied Mathematics 201. Complex Function Theory with Applications

[Applied Mathematics 202. Partial Differential and Integral Equations]

Applied Mathematics 203. Topics in Applied Mathematics

[Applied Mathematics 205. Practical Scientific Computing]

[Applied Physics 216 (formerly Applied Physics 216r). Modern Optics and Quantum Electronics]

Applied Physics 217. Photons and Atoms

Applied Physics 284. Statistical Thermodynamics

Applied Physics 295a. Introduction to Quantum Theory of Solids

Applied Physics 295b. Quantum Theory of Solids

[Applied Physics 296r. Superconductivity]

Applied Physics 298r. Materials Chemistry and Physics: Seminar

[*Astronomy 204. Galactic and Extragalactic Dynamics]

[Astronomy 206. Stellar Physics]

[Astronomy 208. The Physics of the Interstellar Medium]

[MCB 212. Topics in Biophysics]

Graduate Courses of Reading and Research

Odd numbers designate courses of preliminary reading or experimental research. Even numbers designate thesis research and are to be used only when an instructor has agreed to supervise a student's research for the doctorate. 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 301,302. Experimental Atomic and Elementary Particle Physics**



Catalog Number: 1735,1736
Gerald Gabrielse 1768

***Physics 305,306. Experimental High Energy Physics**
Catalog Number: 7929,0855
John Huth 3506

***Physics 307,308. Experimental Atomic Physics, Bose-Einstein Condensation, & Quantum Optics**
Catalog Number: 7534,3277
Lene V. Hau 2151

***Physics 309,310. Topics in Elementary Particle Theory**
Catalog Number: 4556,4561
Cumrun Vafa 2069

***Physics 311,312. Experimental Atomic, Molecular, and Low-Energy Particle Physics**
Catalog Number: 6839,6838
John M. Doyle 3507 (on leave fall term)

***Physics 315,316. Topics in Theoretical Atomic, Molecular, and Optical Physics**
Catalog Number: 7387,8871
Eric J. Heller 1074 (on leave fall term)

***Physics 319,320. Topics in Experimental High Energy Physics**
Catalog Number: 4520,4521
Melissa Franklin 2500

***Physics 321,322. Experimental Soft Condensed Matter Physics**
Catalog Number: 9963,7098
David A. Weitz 2497

***Physics 323,324. Nanostructures and Mesoscopic Physics**
Catalog Number: 3629,9079
Charles M. Marcus 2890

***Physics 327,328. Topics in Condensed Matter Physics**
Catalog Number: 5969,6524
David R. Nelson 5066

***Physics 329,330. Solid State and Statistical Theory**
Catalog Number: 6198,6373
Bertrand I. Halperin 4755



***Physics 331,332. Topics in Experimental High Energy Physics**

Catalog Number: 2727,2820

Andrew Foland 3335

***Physics 333,334. Experimental Atomic Physics**

Catalog Number: 2902,2904

Mara Prentiss 2741 (on leave spring term)

***Physics 335,336. Topics in the History and Philosophy of Physics**

Catalog Number: 6697,4276

Gerald Holton 1883

***Physics 337,338. Topics in Experimental High Energy Physics**

Catalog Number: 1809,6368

Masahiro Morii 3798

***Physics 341,342. Topics in Elementary Particles**

Catalog Number: 1990,6602

Sidney Coleman 2111

***Physics 345,346. Experimental Gravitation: Radio and Radar Astronomy**

Catalog Number: 5067,5072

Irwin I. Shapiro 7660

***Physics 347,348. Topics in Quantum Optics**

Catalog Number: 8010,1627

Mikhail Lukin 3990

***Physics 349,350. Topics in String Theory, Quantum Gravity and Field Theory**

Catalog Number: 1818,0791

Shiraz Minwalla

***Physics 353,354. Topics in Statistical Physics**

Catalog Number: 3721,5287

Paul C. Martin 2103

***Physics 355,356. Theory of Elementary Particles**

Catalog Number: 1213,7654

Roy J. Glauber 2113

***Physics 357,358. Experimental Condensed Matter Physics**

Catalog Number: 4430,5227

Robert M. Westervelt 6148 (on leave fall term)



***Physics 359,360. Topics in Condensed Matter Physics**

Catalog Number: 8238,7560

Eugene Demler 3847

***Physics 361,362. Topics in Condensed Matter and Statistical Physics**

Catalog Number: 3750,4793

Daniel S. Fisher 2600

***Physics 363,364. Topics in Condensed Matter Theory**

Catalog Number: 2957,2958

Efthimios Kaxiras 3050 (on leave spring term)

***Physics 365,366. Topics in Mathematical Physics**

Catalog Number: 5170,1567

Arthur M. Jaffe 2095 (on leave 2001-02)

***Physics 367,368. Experimental Astrophysics**

Catalog Number: 1075,1274

Paul Horowitz 3537

***Physics 369,370. Experimental Condensed Matter: Synchrotron Radiation Studies**

Catalog Number: 1538,1539

Peter S. Pershan 1105

***Physics 371,372. Topics in Experimental High Energy Physics**

Catalog Number: 2519,6461

Gary J. Feldman 2599

***Physics 373,374. Topics in the History and Philosophy of Modern Physics**

Catalog Number: 6140,6143

Peter L. Galison 3239 (on leave 2001-02)

***Physics 375,376. Superconductivity and Mesoscopic Physics**

Catalog Number: 1228,7663

Michael Tinkham 2131

***Physics 377,378. Theoretical High Energy Physics**

Catalog Number: 1436,2007

Tai T. Wu 1051 (on leave spring term)

***Physics 379,380. Topics in Elementary Particle Research and String Theory**

Catalog Number: 7523,7524

Andrew Strominger 3700 (on leave spring term)

***Physics 383,384. Low Temperature Physics of Quantum Fluids and Solids; Ultra High Pressure Physics**



Catalog Number: 3851,4395
Isaac F. Silvera 7468

***Physics 385,386. Topics in Biophysics**
Catalog Number: 5901,5902
Howard C. Berg 1377

***Physics 387,388. Topics in Quantum Optics and Molecular Physics**
Catalog Number: 5772,5774
Eric Mazur 7952

***Physics 389,390. Topics in Field Theory: The Standard Model and Beyond**
Catalog Number: 4393,2571
Lisa Randall 4255 (on leave spring term)

***Physics 393,394. Topics in Elementary Particle Theory**
Catalog Number: 6051,6218
Howard Georgi 4754

***Physics 397,398. Experimental Condensed Matter Physics**
Catalog Number: 7355,7356
Jene A. Golovchenko 1986 (on leave spring term)

Political Economy and Government

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Political Economy and Government

Robert H. Bates, Eaton Professor of the Science of Government (*Chair*)
Alberto F. Alesina, Professor of Economics and of Government (*on leave 2002-03*)
Scott Ashworth, Assistant Professor of Government
Christopher N. Avery, Associate Professor of Public Policy (*Kennedy School*)
Francesco Caselli, Associate Professor of Economics
Cary Coglianese, Assistant Professor of Public Policy (*Kennedy School*)
Suzanne J. Cooper, Assistant Professor of Public Policy (*Kennedy School*)
David M. Cutler, Professor of Economics
Jeffrey Frieden, Stanfield Professor of International Peace
Edward L. Glaeser, Professor of Economics
Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy (*on*



leave spring term)

Merilee Grindle, Edward S. Mason Professor of International Development and Lecturer on Public Policy (*Kennedy School*)

Peter A. Hall, Harvard College Professor and Frank G. Thomson Professor of Government

William W. Hogan, Lucius N. Littauer Professor of Public Policy and Administration (*Kennedy School*) (*ex officio*)

Caroline M. Hoxby, Professor of Economics (*on leave 2002-03*)

Torben Iversen, Professor of Government

Joseph P. Kalt, Ford Foundation Professor of Political Economy (*Kennedy School*)

Gary King, Professor of Government

David I. Laibson, Professor of Economics

Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*ex officio*)

Lisa L. Martin, Professor of Government

Dwight H. Perkins, Harold Hitchings Burbank Professor of Political Economy

Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)

Kenneth A. Shepsle, George D. Markham Professor of Government (*on leave spring term*)

Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)

Richard Tuck, Professor of Government (*on leave spring term*)

Richard J. Zeckhauser, Frank Plumpton Ramsey Professor of Political Economy (*Kennedy School*)

The PhD in Political Economy and Government (PEG degree) is intended for scholars interested in either academic or policy-making careers requiring advanced knowledge of both economics and political science. It is appropriate only for the small number of students whose academic interests are not served by doctoral studies in economics, political science, or public policy.

Candidates for the PEG degree are typically in residence for at least two years before undertaking an oral general examination. Course work integrates economics, political science, and other social sciences. 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 of residence and research. Recent scores from the aptitude portion of the Graduate Record Examination are required, as are transcripts for all prior study and 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/ksg.doctoral/.



Psychology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Psychology

Daniel L. Schacter, Professor of Psychology (*Chair*)
Nalini Ambady, John and Ruth Hazel Associate Professor of the Social Sciences (*on leave 2001-02*)
Lee Baer, Associate Professor for Psychology (*Medical School*)
Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics
Mark G. Baxter, Assistant Professor of Psychology (*on leave spring term*)
Gary S. Belkin, Assistant Professor of Psychiatry (*Medical School*)
Alfonso Caramazza, Professor of Psychology (*on leave 2001-02*)
Susan E. Carey, Professor of Psychology
Shelley H. Carson, Lecturer on Psychology
Patrick Cavanagh, Professor of Psychology
Patricia Deldin, Associate Professor of Psychology (*on leave 2002-03*)
Erin Driver-Linn, Lecturer on Psychology
Nicholas Epley, Assistant Professor of Psychology
L. Dodge Fernald, Lecturer on Psychology
Ellsworth Lapham Fersch, Lecturer on Psychology
William Tecumseh Fitch, Lecturer on Psychology
Daniel T. Gilbert, Professor of Psychology (*on leave 2002-03*)
J. Richard Hackman, Cahners-Rabb Professor of Social and Organizational Psychology
Marc D. Hauser, Harvard College Professor and Professor of Psychology
Jill M. Hooley, Professor of Psychology (*on leave 2002-03*)
Pamela Kohl Keel, Associate Professor of Psychology (*on leave 2001-02*)
Stephen M. Kosslyn, John Lindsley Professor of Psychology (*Head Tutor*)
Ellen J. Langer, Professor of Psychology (*on leave 2001-02*)
Michelle D. Leichtman,
Brian R. Little, Lecturer on Psychology
Anne Maureen McGuire, Lecturer on Psychology
Richard J. McNally, Professor of Psychology (*on leave 2001-02*)
Ken Nakayama, Edgar Pierce Professor of Psychology
Joshua Stephen Rodefer, Lecturer on Psychology
Michael Robert Rodriguez, Lecturer on Psychology, Allston Burr Senior Tutor in Adams House
Daniel J. Simons, John L. Loeb Associate Professor of the Social Sciences
Jesse Snedeker, Assistant Professor of Psychology
Elizabeth S. Spelke, Professor of Psychology
Philip Stone, Professor of Psychology
Daniel M. Wegner, Professor of Psychology (*on leave spring term*)



Other Faculty Offering Instruction in the Department of Psychology

Teresa M. Amabile, Edsel Bryant Ford Professor of Business Administration (*Business School*)
 Max H. Bazerman, Jesse Isidor Straus Professor of Business Administration (*Business School*)
 Kurt W. Fischer, Professor of Education (*Education*)
 Howard E. Gardner, Professor of Education (*Education*)
 Anne Harrington, Professor of the History of Science (*on leave spring term*)
 Gene M. Heyman
 Dara S. Manoach, Assistant Professor of Neurology (*Medical School*)
 William P. Milberg, Associate Professor of Psychiatry in the Department of Psychiatry (*Medical School*)
 Margaret G. O'Connor, Assistant Professor of Neurology (*Medical School*)
 Donald B. Rubin, Professor of Statistics
 Robert L. Selman, Professor of Psychology (*Medical School*) and Professor of Education (*Education*)
 Catherine E. Snow, Henry Lee Shattuck Professor of Education (*Education*)
 Robert A. Stickgold, Assistant Professor of Psychiatry (*Medical School*)
 Alan Abraham Stone, Professor of Law and Psychiatry (*Law School and Medical School*)

For a list of other courses which automatically count for undergradutae 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

Patrick Cavanagh (fall term) and Daniel T. Gilbert (spring term)

Half course (fall term; repeated spring term). M., W., 2–3:30 and one hour to be arranged.

EXAM GROUP: 7, 8

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

Daniel J. Simons

Half course (fall term). Tu., Th., 10–11:30, and a one-hour section meeting to be arranged.

EXAM GROUP: 12, 13

Introduces the study of human cognition. Topics include perception, attention, memory, knowledge representation, language, problem solving, and reasoning. Considers the real-world implications of laboratory findings.

Prerequisite: Psychology 1, or permission of the instructor.

Psychology 15. Social Psychology

Catalog Number: 4760

Nicholas Epley



Half course (spring term). Tu., Th., 10–11:30 and a one hour section to be arranged. EXAM GROUP: 12, 13

An introduction to research and theory in social psychology meant to improve people's understanding of themselves, others, and the social world around them. Topics include social influence, attitude change, and persuasion; stereotyping and prejudice; social cognition; social interaction and group processes; liking, loving, and interpersonal attraction; altruism and aggression; and everyday human judgment. We will also discuss applications of social psychology to law, politics, education, and health.

Psychology 16. Human Development

Catalog Number: 1483

Michelle D. Leichtman

Half course (spring term). Tu., Th., 10–11:30; plus discussion section W., at 10 or 12. EXAM GROUP: 12, 13

Introduces theory, empirical research, and applied issues in developmental psychology. Focuses on cognitive/linguistic, social and emotional aspects of development across the life course, with emphasis on infancy and childhood. Includes child observation and testing.

Psychology 18. Abnormal Psychology

Catalog Number: 8560

Patricia Deldin

Half course (fall term). Tu., Th., 1–2:30 and a one-hour section meeting to be arranged. EXAM GROUP: 15, 16

Introduction to the study of psychopathology. Focus will be 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 will be emphasized.

Prerequisite: An introductory course in psychology.

***Psychology 910r. Supervised Research**

Catalog Number: 1472

Stephen M. Kosslyn 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.

Note: Research report or equivalent paper required. Admission to course via application (available in Psychology Undergraduate Office). May be taken not more than three times for College credit and only once for honors concentration credit. Psychology 910r and 920r can be taken a total of three times for non-honors concentration credit.

***Psychology 920r. Supervised Reading**

Catalog Number: 3577

Stephen M. Kosslyn and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Independent reading on topics not covered by regular courses of instruction.

Note: Paper required. Admission to course via application (available in Psychology



Undergraduate Office). May be taken not more than three times for College credit and not at all for honors concentration credit. Psychology 920r and 910r can be taken a total of three times for non-honors concentration credit.

***Psychology 970. Contemporary Issues in Psychology: Intensive Cross-level Analyses**

Catalog Number: 8008

Stephen M. Kosslyn and members of the Department

Full course. Hours to be arranged.

Examines selected issues and phenomena 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.

Note: This tutorial, or Psychology 971, is required of concentrators upon entering the concentration, normally in the sophomore year. Sophomore Essay required. Letter-graded.

***Psychology 971. Contemporary Issues in Psychology: Intensive Cross-level Analyses**

Catalog Number: 3498

Stephen M. Kosslyn and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Examines selected issues and phenomena 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.

Note: This tutorial is designed for students who enter the concentration after the first semester of the sophomore year. For assignment to a section, speak to the Undergraduate Program Administrator before Study Cards are due. Sophomore Essay required. Letter-graded. Students who take this course instead of Psychology 970 must take an additional concentration elective to fulfill the full-year tutorial requirement.

[*Psychology 980a. Becoming Who We Are: Issues in Social Development]

Catalog Number: 6988 Enrollment: Limited to 15.

Stephen M. Kosslyn and members of the Department

Half course (spring term). Hours to be arranged.

Examines theory and empirical research pertaining to basic issues in both developmental and social psychology. Through weekly discussion, students will be encouraged to think about how developmental processes interact with social environment to foster such things as a sense of self, morality, gender identity, family dynamics, and styles of interpersonal communication. By doing so, students should arrive at a better understanding of how psychological research can help us understand the world and ourselves.

Note: Expected to be given in 2002–03.

***Psychology 980b. Evolutionary Psychology**

Catalog Number: 2577 Enrollment: Limited to 15. Preference to juniors in Mind/Brain/Behavior tracks.

Stephen M. Kosslyn and members of the department.

Half course (fall term). Th., 2:30–4:30. EXAM GROUP: 16, 17, 18

Examines the design of the human mind from an evolutionary perspective. Through weekly discussion, students will be encouraged to critically evaluate the evolutionary psychology



approach drawing in evidence from cognitive psychology, cognitive development, comparative psychology, and the neurosciences. The course will examine a number of key questions in the study of the evolution of the mind including: theory of mind and social cognition, deception and cheating detection, mate choice and human sexuality, and intuitive physics.

Prerequisite: Science B-29.

***Psychology 980c. Neural Networks**

Catalog Number: 6722

Stephen M. Kosslyn and members of the Department.

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Review of neural network theory and computational neuroscience, with emphasis on realistic models of hippocampal memory and processing. Includes survey of connectionist and computational neuroscience models of hippocampal and cortical processing. Associative memory function, place cells, oscillatory processes and self-organization are some of the topics that will be covered.

***Psychology 985. Junior Tutorial: Honors Thesis Preparation**

Catalog Number: 2343

Stephen M. Kosslyn and members of the Department

Half course (fall term; repeated spring term). Fall term: Hours to be arranged; Spring term:

Hours to be arranged, plus occasional required group meetings Fall: M., 4–6; Spring: M., at 4.

EXAM GROUP: Fall: 9

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.

Note: Normally limited to junior psychology concentrators. Admission to course via application (available in Psychology Undergraduate Office). Graded SAT/UNS. Full prospectus or term paper required.

Psychology 987. Junior Tutorials: Mind/Brain/Behavior

Interdisciplinary seminars that address current research topics in mind/brain/behavior from a variety of perspectives. Enrollment preference given to juniors in Mind/Brain/Behavior tracks.

***Psychology 987a. The Interface Between Cognitive Neuroscience and Neuropsychology: What Patients Teach Us About Theories of the Mind**

Catalog Number: 1424 Enrollment: Preference to juniors in Mind/Brain/Behavior tracks.

Dara S. Manoach (Medical School) and Margaret G. O'Connor (Medical School)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

Evaluates cognitive neuroscience models of brain function using a neuropsychological approach. A number of developmental, neurological and psychiatric syndromes will be discussed. Case studies will be presented and the relevant research will be reviewed and used to challenge current theories. We will also review a variety of assessment techniques including neuropsychological evaluation and neuroimaging. Students will take turns presenting relevant literature.

[*Psychology 987b. Music, Mind, and Brain]

Catalog Number: 7107 Enrollment: Preference to juniors in Mind/Brain/Behavior tracks.



Half course (spring term). Hours to be arranged.

This course takes a multidisciplinary approach to understanding neural systems that govern music perception and cognition. Students expected to master topics in acoustics, music theory, psychophysics, cognitive psychology, auditory development, neurophysiology, neuroanatomy, and neurology. Similarities and differences between music and language with respect to their underlying mental operations and brain mechanisms explored.

Note: Expected to be given in 2002–03.

***Psychology 987c. Multidisciplinary Perspectives on Drug Policy**

Catalog Number: 1082 Enrollment: Preference to juniors in Mind/Brain/Behavior tracks.

Ken Nakayama

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Applies the perspectives of law, molecular psychiatry, psychology, epidemiology, and sociology to the problems of substance abuse, with a special focus on cocaine and other illegal drugs.

Considers fundamental public policy choices about primary systems we use to respond to substance abuse—the criminal justice and health care systems—and suggests a closer working relationship between these systems, especially in urban poverty areas. A critical question will be how to influence substance addicts to desire to recover. The course will also examine the challenges in developing strategies to address substance abuse. Readings drawn from the literature of neurobiology, psychiatry, psychology, public health, public policy, law, and history.

***Psychology 987f. The Biology of Conscious States: Waking, Sleeping, and Dreaming**

Catalog Number: 3372 Enrollment: Preference to juniors in Mind/Brain/Behavior tracks.

Robert A. Stickgold (Medical School)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

The course 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. We discuss various approaches to understanding the functions of sleep and wake (consciousness) and review several theories on the topic.

***Psychology 987g. Theories of Violence**

Catalog Number: 7611 Enrollment: Limited to 20. Preference given to juniors in Mind/Brain/Behavior tracks.

Alan Abraham Stone (Law School and Medical School)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Considers clinical examples of violent individuals (videotape interviews of a multiple murderer and violent sexual predator) and group violence (federal law enforcement's assault on the Branch Davidians in Waco, Texas). Then examines various theories of brain, mind, and behavior which attempt to explain violence.

***Psychology 987h. The Dynamics of Drug Addictions**

Catalog Number: 5541 Enrollment: Preference to juniors in Mind/Brain/Behavior tracks.

Gene M. Heyman



Half course (fall term). Tu., 4–6. EXAM GROUP: 18

Drug users often fluctuate between periods of heavy and light consumption and most eventually “recover.” The seminar will discuss research on: (1) behavioral characteristics of addiction, (2) drug-induced brain changes, (3) learning-induced brain changes, (4) the psychology of choice, (5) obsessive compulsive disorder and its neural substrates, and (6) the distinction between voluntary and involuntary behavior. Readings will be selected primarily from journal articles.

***Psychology 987i. The Science of Happiness**

Catalog Number: 4100 Enrollment: Preference to juniors in Mind/Brain/Behavior tracks.

Ken Nakayama

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This course focuses on the science of happiness, integrating findings from positive psychology, psychiatry, behavioral genetics, neuroscience, and behavioral economics. We will begin with a brief history of ideas on happiness from Aristotle’s notion of happiness as virtue to Daniel Kahneman’s calculus of happiness as the summation of momentary pleasures. Over the course of the semester, we will consider 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 with great success in cognitive therapies. We will question an idea that has gained prevalence since the Enlightenment: that pleasure and happiness are our purpose.

***Psychology 987j. Mind, Brain, and Limits in Medicine**

Catalog Number: 8821 Enrollment: Preference to juniors in Mind/Brain/Behavior tracks.

Gary S. Belkin (Medical School)

Half course (spring term). M., 4–6. EXAM GROUP: 9

From the still controversial definition of brain death to the ways expectations of preserved consciousness influences how a patient’s condition is considered “hopeless,” inferences about brain function often shape ideas and practices about the purposes and limits of medicine. Examining clinical controversies, ethical debates, and selected primary source material, this seminar will explore how historical tools can help explore and draw lessons from the close connections between mind, brain, behavior, and the ethics of the ends of medicine, particularly at the end of life.

Senior Tutorial

***Psychology 990. Senior Tutorial: Honors Thesis in Psychology**

Catalog Number: 3553

Stephen M. Kosslyn and members of the Department

Full course. Hours to be arranged, plus occasional, optional but highly recommended group meetings M., 4-6.

Individual supervised thesis research supplemented with group meetings to discuss major aspects of the thesis process (e.g., organizing, conducting, and presenting research).

Note: Required of and limited to honors senior psychology concentrators. Graded SAT/UNS. 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.

Prerequisite: Advanced methods course.



***Psychology 992. Senior Tutorial: Honors Thesis (Mind/Brain, Behavior)**

Catalog Number: 4990

Stephen M. Kosslyn, Ken Nakayama and members of the Department.

Full course. Hours to be arranged. Occasional, optional but highly recommended group meetings on Monday 4-6.

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.

Note: Required of and limited to seniors in the MBB Track. Track seniors will take this course in lieu of Psychology 990, although they are strongly encouraged to attend group meetings of Psychology 990. Graded SAT/UNS. 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.

Prerequisite: An advanced methods course.

***Psychology 995. Senior Seminar: General Psychology**

Catalog Number: 5201 Enrollment: Limited to 12.

L. Dodge Fernald, Erin Driver-Linn and members of the Department.

Half course (fall term; repeated spring term). Fall: Th., 1–3; W., 3:30–6:30; Spring: Th., 1–3; M., 2–4. EXAM GROUP: 15, 16

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

Biological Sciences 80 (formerly Biological Sciences 25). Behavioral Neuroscience

Science B-44. Vision and Brain

Statistics 100. Introduction to Quantitative Methods

Statistics 101. Introduction to Quantitative Methods

Statistics 102. Fundamentals of Biostatistics

Statistics 104. Introduction to Quantitative Methods

For Undergraduates and Graduates

Psychology 1010. Human Intelligence and IQ

Catalog Number: 1892

Joshua Stephen Rodefer

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

The study and measurement of human intelligence is one of the most controversial subjects in psychology. Some of the main issues that will be covered in this course include the modern development of IQ tests, the heritability of intelligence, theories of intelligence, environmental effects on IQ, relationship of cognitive psychology to measuring IQ, and intelligence in the social context.



***Psychology 1152r (formerly *Psychology 1152). Animal Cognition: Laboratory**

Catalog Number: 1805 Enrollment: Limited to 12. Preference given to Psychology undergraduates and students in the Mind/Brain/Behavior program.

Marc D. Hauser

Half course (fall term; repeated spring term). M., 5–7 p.m. EXAM GROUP: 9

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: Science B-29 or Biology 22 or permission of instructor.

Psychology 1153 (formerly Psychology 2339). Evolutionary Ethics: Seminar

Catalog Number: 6771 Enrollment: Limited to 15.

Marc D. Hauser

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Explores the biological foundations of our ethical behavior, integrating theoretical and empirical advances from evolutionary biology, cognitive science, neurobiology, economics, philosophy, and law. Discusses evolution of religion, legal issues, nonhuman morals, and human values.

Note: Graduate students welcome.

***Psychology 1201 (formerly *Psychology 2260). Psychopharmacology**

Catalog Number: 6717 Enrollment: Limited to 30.

Joshua Stephen Rodefer

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Provides an overview of basic pharmacology and neuroscience before covering topics related to preclinical and clinical psychopharmacology. Specifically, examines drugs used in treatment of mental/neurological disorders in addition to those substances that have abuse potential.

Prerequisite: Biological Sciences 25 or 80 or Psychology 1 or permission of instructor.

Psychology 1202. Cognition, Emotion, and the Developing Brain

Catalog Number: 5907

Kurt W. Fischer (Education)

Half course (fall term). Tu., Th., 2–4. EXAM GROUP: 16, 17

Provides an overview of knowledge about brain and behavior development in human beings across the life cycle. The focus will be normal human development, although there will be discussion of pathology and of findings with animals where relevant. The two instructors bring complementary backgrounds in psychology, human neurology, and education. Topics will include normal neurological development in human beings, cognitive and emotional development, nonlinear dynamics of development, and especially relations between development of brain and behavior.

Note: Offered jointly with the School of Education as H-134.

[*Psychology 1252. Neurobiology of Learning and Memory: Seminar]

Catalog Number: 8580 Enrollment: Limited to 20. Graduate students encouraged to enroll.

Mark G. Baxter

Half course (fall term). Hours to be arranged.



Consideration of experimental studies aimed at defining the neural systems involved in learning and remembering different types of information. The primary focus will be research attempting to assign specific mnemonic functions to specific brain areas, and theories attempting to integrate what is known about the biological organization of the brain with the psychological phenomena of learning and memory.

Note: Expected to be given in 2002–03.

Prerequisite: Psychology 1 and Biological Sciences 25 or 80.

[*Psychology 1254. Neuropsychology of Aging and Dementia]

Catalog Number: 9109 Enrollment: Limited to 20. Graduate students encouraged to enroll.

Mark G. Baxter

Half course (spring term). Hours to be arranged.

Provides an interdisciplinary synthesis of research on the cognitive changes that occur in normal aging and dementia. Considers both theoretical perspectives and methodological issues as they relate to declines in components of attention, learning, and memory. Both group differences and individual variability will be discussed, as we consider both behavioral and neurobiological evidence from human and nonhuman subjects.

Note: Expected to be given in 2002–03.

Prerequisite: Psychology 1 and Biological Sciences 25 or 80.

[Psychology 1302 (formerly Psychology 1500). Psychology of Language]

Catalog Number: 0295

Alfonso Caramazza

Half course (spring term). Hours to be arranged.

An examination of the psychological processes that underlie the use of language. Studies of normal performance as well as research on language impairments in brain-damaged patients are considered. Topics include sentence comprehension and production, reading and writing, and the role of memory, perception, and attention in language processing.

Note: Expected to be given in 2002–03.

Psychology 1303. Cognitive Neuroscience

Catalog Number: 1052

William Tecumseh Fitch

Half course (spring term). Tu., Th., 11:30–1 and a weekly section meeting to be arranged.

Despite phenomenal advances in our understanding of the nervous system in the last decade, many fundamental questions concerning the relation between brain and mind remain unanswered. How are memories stored and retrieved? How is sensory input converted to subjective percept? Is the brain a general-purpose learning machine or a toolbox of innate, specialized processors? This course introduces the methods, findings, and controversies of cognitive neuroscience. A comparative, developmental perspective will be adopted throughout, using data from animals and young children to inform theories of human cognition and brain evolution. Students will learn to read the primary literature and evaluate it from both theoretical and empirical perspectives.

***Psychology 1350 (formerly *Psychology 2350). Memory and Amnesia: Seminar**

Catalog Number: 6014



Daniel L. Schacter

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Examines memory and amnesia from cognitive, neuropsychological, evolutionary, and psychobiological perspectives. Focuses on the idea that memory problems can be divided into seven fundamental types: transience, absent-mindedness, blocking, misattribution, suggestibility, bias, and persistence.

Psychology 1355. Behavioral Genetics: Seminar

Catalog Number: 6652 Enrollment: Limited to 25.

Joshua Stephen Rodefer

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This course provides a broad overview of the application of genetic methods to study human and animal behaviors. Emphasis is placed upon the use of methodology and design to address psychologically relevant questions concerning the etiology and nature of individual differences in various behaviors (e.g., intelligence, personality, psychiatric disorders).

***Psychology 1357. Evolution of Language**

Catalog Number: 9255 Enrollment: Limited to 20.

William Tecumseh Fitch

Half course (spring term). W., 1:30–3. EXAM GROUP: 6, 7

Because human language differs so radically from the communication systems of other animals, language has been termed an “embarrassment for evolutionary theory.” Nonetheless, debate about the evolution of language has sparked a large and rapidly growing literature asking how this most human of abilities arose during the course of human evolution. In this seminar, we will read and critique both classic and recent work on language evolution, evaluating current data and hypotheses from a Darwinian perspective.

Prerequisite: One or more of the following courses: Science B-16 (History of Life), Science B-29 (Human Behavioral Biology), Linguistics 110 (Introduction to Linguistics), Psychology 1302 (Psychology of Language), Biology 17 (Evolution), Biological Sciences 2 (Organismic and Evolutionary Biology), or Biological Sciences 51 (Integrative Biology of Organisms).

***Psychology 1358. Cognitive Neuroscience of Emotion**

Catalog Number: 4087 Enrollment: Limited to 20. Graduate students welcome to enroll.

Mark G. Baxter

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

In this seminar course, we will discuss studies of humans and animals aimed at understanding the neural substrates of emotional behavior, and influence of emotion on cognition. We will pay equal attention to studies of brain activation in response to emotional experience, and abnormalities in emotion resulting from brain damage.

Note: Preference given to juniors in the Mind, Brain, and Behavior tracks.

Prerequisite: Biological Sciences 80.

Psychology 1401. Perception, Touch, Taste, and Sound

Catalog Number: 4372

William Tecumseh Fitch

Half course (fall term). Tu., Th., 11:30–1 and a weekly section meeting to be arranged. EXAM



GROUP: 13, 14

The complex process by which information is gathered by our sensory organs and converted to a subjective percept has been studied most intensively in the visual domain, but a huge body of research focuses on audition and olfaction as well. This course will focus on these senses, and is intended to complement Science B-44 (Vision and Brain). Introduces the experimental methods and findings of auditory and olfactory neuroscience and psychology, touching more briefly on the tactile sense and taste. Also addresses the difficult question of how the different sensory modalities are combined to form a holistic multimodal percept of the world. In the laboratory portion of the course, students will master basic experimental techniques and create and run original experiments in psychophysics.

Prerequisite: Introductory Psychology or Cognitive Psychology plus a Statistics course such as 100, 101, 102, 104, or the equivalent.

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, and a ninety minute section meeting to be arranged.

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 Statistics 100, 101, 102, 104, or the equivalent.

Psychology 1502. Applied Social Psychology

Catalog Number: 4239

Philip Stone

Half course (spring term). Tu., Th., at 10 and a one-hour section to be arranged. EXAM GROUP: 12

Examines importance of individual identity, self-esteem, personal strengths and signature themes, levels of engagement, performance standards, reward systems, and organizational cultures in shaping effective job matches and project-team participation. Includes case studies and videos. Open to students without prior background in psychology.

Psychology 1503. Psychology and Law

Catalog Number: 3707

Ellsworth Lapham Fersch

Half course (fall term). M., W., 1–2:30; F., at 1 or 2. EXAM GROUP: 6, 7

Compares legal and psychological approaches to human behavior and considers their interaction. Topics include forensic assessment of competence, insanity, and civil issues; legality and morality; theories of crime; eyewitness identification; criminal profiling; trials and juries; rights of victims, accused, and special groups; and sentencing. The course discusses the roles of lawyers and of psychologists, in theory and in practice. The course focuses on case studies and on research.

Note: Graduate/professional students and students who have taken S-1870 will not be admitted.



Psychology 1506. Social Relationships

Catalog Number: 9327

Anne Maureen McGuire

Half course (spring term). Tu., Th., 1:30–3 and a one-hour section meeting to be arranged.

EXAM GROUP: 15, 16

Reviews empirical studies of friendships, dating, and long-term relationships (including marriage). Topics include types and functions of social relationships; effects of individual differences (sex, attachment style, sexual orientation); processes of relationship formation, maintenance, and dissolution, including attraction, love, social support, sexuality, communication, jealousy, and conflict. Draws from perspectives in social psychology (social roles, equity, social exchange), evolutionary biology (reciprocal altruism, mate choice), and economics. Readings cover relationships in a variety of human societies.

Prerequisite: Psychology 1, 13, 15, 16, or 17 or permission of the instructor.

Psychology 1507. Cross-Cultural Psychology

Catalog Number: 8214

Anne Maureen McGuire

Half course (fall term). Tu., Th., 10–11:30 plus a section to be arranged. EXAM GROUP: 12, 13

Covers empirical findings regarding human diversity in psychology and explores how cultural forces shape psychology. Topics include: cultural differences in perception and cognition (categorization, perceptions of time and space), affective processes (emotion, motivation, values), social cognition (self, identity, attribution), development (socialization, enculturation), personality, social behavior (conformity, influence, communication, relationships, aggression), intergroup relations (prejudice, conflict), and sex and gender across cultures. Implications are drawn for intercultural contact (migration, acculturation), education, physical and mental health, and organizational behavior.

Prerequisite: Two psychology courses, including, preferably, introductory psychology.

[*Psychology 1558r. Supervised Research Experience in Social Psychology]

Catalog Number: 4067

Daniel T. Gilbert

Half course (fall term; repeated spring term). Hours to be arranged.

Provides students with experience conducting social psychology research under the direct supervision of a graduate student mentor, each of whom offers a unique program of work and instruction. Students perform literature searches, create experimental materials, recruit and test human subjects, code and analyze data, and so on. This course affords students a “hands on” experience of the research process in social psychology and an opportunity to work closely with a graduate student mentor.

Note: Expected to be given in 2002–03.

***Psychology 1560r (formerly Psychology 2650r). Interpersonal Influence and Communication: Laboratory**

Catalog Number: 6494

Nalini Ambady

Half course (fall term; repeated spring term). Hours to be arranged.

Laboratory course in interpersonal influence and communication. Students will conduct



independent research under the supervision of the instructor.

Note: Undergraduates and graduate students interested in examining communication, interpersonal influence, social identity, and culture and emotion are encouraged to enroll.

***Psychology 1563. Psychological Themes in Text: Seminar**

Catalog Number: 9275 Enrollment: Limited to 15.

Philip Stone

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Analyses of themes reflecting motives, attitudes, cognitive styles, attributional tendencies, and perceived interpersonal relationships, as found in interview and focus-group transcripts, open-ended survey responses, corporate reports, editorials, and newspaper accounts. Enlists computer-aided procedures for analyzing theme patterns within large amounts of text as described at www.wjh.harvard.edu/~inquirer.

Note: Open also to undergraduate and graduate students outside of Psychology.

[*Psychology 1564. Designs for a Positive Psychology: Seminar]

Catalog Number: 6442

Philip Stone

Half course (fall term). Hours to be arranged.

Builds upon an American Psychological Association initiative to foster psychological research with applications for developing flourishing, fulfilling lives as well as thriving families and communities. Student projects will each study a domain of psychology for its potential contributions to a well-grounded, valid positive psychology.

Note: Expected to be given in 2002–03.

[*Psychology 1565. Conscious Will: Seminar]

Catalog Number: 4113 Enrollment: Limited to 20.

Daniel M. Wegner

Half course (spring term). Hours to be arranged.

What causes the feeling that we cause our actions? This course examines questions of free will vs. determinism and mind vs. body by probing anomalies of will—from phantom limbs, Ouija boards, and dowsing rods to hypnosis, dissociative identity disorder, and spirit possession.

Note: Expected to be given in 2002–03.

[*Psychology 1566. Social Psychology in the Legal Process: Seminar]

Catalog Number: 6898 Enrollment: Limited to 25.

Sharon H. Kramer

Half course (spring term). Hours to be arranged.

Examines the relevance of certain aspects of social psychology to the American legal process. Topics include research on group decision making and its relevance to jury decision making; reliability and credibility of hearsay testimony and eyewitness testimony; nonverbal behavior in the courtroom.

Note: Expected to be given in 2002–03.

Prerequisite: Psychology 15.



[*Psychology 1567. Altruism and Aggression: Seminar]

Catalog Number: 2648 Enrollment: Limited to 25.

Anne Maureen McGuire

Half course (fall term). Hours to be arranged.

Examines causes, consequences, and correlates of prosocial and antisocial behavior, drawing on theory and research in psychology and behavioral (evolutionary) biology. Analyzes types and taxonomies of helping and harming behaviors among intimates, friends, acquaintances, and strangers. Reviews a variety of immediate and distal processes, including elicitors and inhibitors of helping and harming; social learning and biological influences on the development of individual differences; and the effects of intra-individual factors (e.g., sex differences, impulsivity, testosterone, empathy) on aggression and altruism. Primary focus is on inter-individual behavior, with some attention to intergroup aggression (e.g., gangs) and collective helping (e.g., charitable giving). Examples will be drawn from a variety of cultures and subcultures, and from the social behavior of nonhuman species.

Note: Expected to be given in 2002–03.

Psychology 1569. Psychosocial Aspects of HIV/AIDS

Catalog Number: 6546 Enrollment: Limited to 15.

Michael Robert Rodriguez

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Examines current theoretical and research literature on the impact of HIV and AIDS on individuals and communities. Relies on an interdisciplinary perspective to explore topics that include prevention, bereavement, stigma, homophobia, collective identity, resilience, stress and coping, survivor guilt, and altruism, among others.

Prerequisite: An introductory course in psychology, or permission of the instructor.

***Psychology 1570 (formerly *Psychology 2640). The Nature of Prejudice**

Catalog Number: 9939 Enrollment: Limited to 22.

Mahzarin R. Banaji

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Explores prejudice from an experimental psychology perspective, emphasizing "position pieces" that mark historical shifts in thinking. Explores questions concerning the ordinary nature of prejudice, its unconscious operation, and the role of conscious ideology.

Note: Open to graduates with permission of instructor.

***Psychology 1604. Cognitive and Symbolic Development**

Catalog Number: 1453

Howard E. Gardner (Education)

Half course (fall term). M., W., 8:30–10. EXAM GROUP: 1, 2

Provides an integrative survey of basic concepts and research in cognitive development from infancy to early childhood. Among the major theoretical orientations to be covered (from infancy to early adulthood) are those of Piaget, Vygotsky, information-processing psychology, neural networks, evolutionary psychology, modularity/constraints position, and the symbol systems approach. The relation of developmental psychology to schooling is treated at the end of the course.

Note: Offered jointly by Education as H-105.



Psychology 1606. Language Acquisition

Catalog Number: 4632

Jesse Snedeker

Half course (fall term). Tu., Th., 10–11:30; W., 11:30–1 plus a one-hour weekly section meeting to be arranged. EXAM GROUP: 12, 13

Explores the (as yet unanswered) question “How do children manage to learn language?”

Introduces classic and contemporary theories of language acquisition. Topics include early speech perception; word learning; acquisition of phonology, morphology, and syntax; development of pragmatic and metalinguistic knowledge; and developmental change in language comprehension and production. To appreciate these accomplishments, we need to define what is being acquired. Thus, we also examine the workings of these linguistic subsystems and adult language processing.

Psychology 1653. Social-Cognitive Development: Seminar

Catalog Number: 6712 Enrollment: Limited to 15.

Michelle D. Leichtman

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Considers the development of cognition in social context with emphasis on infancy and early childhood. Topics include memory, intelligence, language, narrative, culture and social cognition.

Prerequisite: Psychology 16 or permission of instructor.

[*Psychology 1657. Personality and Social Development: Research Seminar]

Catalog Number: 6836 Enrollment: Limited to 15.

Half course (fall term). Hours to be arranged.

Explores research addressing the processes of infant and child social and personality development. Focuses on four key areas of research: cognition, attachment theory, language development, and moral development. Within these broad areas, addresses issues and debates about the role of genes, gender, socialization, and neurological development as interacting forces that affect how infants and children acquire self/other awareness, identity, and social competence. Field research will supplement seminar discussions, and laboratories will teach basic methodological and statistical design techniques.

Note: Expected to be given in 2002–03.

Prerequisite: Psychology 1 and 16, or concurrent enrollment.

Psychology 1701 (formerly Psychology 17). Personality Psychology

Catalog Number: 4538

Brian R. Little

Half course (spring term). Tu., Th., 2–3:30, and a one-hour section meeting to be arranged.

EXAM GROUP: 16, 17

Introduction to personality psychology. Reviews the major developments and debates in the area of personality. Covers a variety of approaches to understanding individual differences, including temperament, traits (factor analytic models), cognitive models, behavioral genetics, neurobiological processes, and person situation interaction.

Prerequisite: An introductory course in psychology, preferably Psychology 1.



Psychology 1702. Emotions: Theories and Research

Catalog Number: 6016

Shelley H. Carson

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Emotion permeates our experience and defines, in part, the quality of human existence. This course provides an overview of the major theories, modern research, and current issues in the field of emotion. Topics include examination of basic and complex emotions, physiological and evolutionary models of emotion, gender and cross-cultural differences, emotions and mental health, and the role of emotion in motivation.

Psychology 1703 (formerly Psychology 1005). Human Sexuality

Catalog Number: 7683

Michael Robert Rodriguez

Half course (spring term). M., W., 3–4:30 and a weekly section to be arranged. EXAM GROUP: 8, 9

Examines the development and expression of sexual behavior as a complex psychological, socio-cultural, biological, and historical phenomenon. Students will explore topics that include: research methods in human sexuality; biological bases of sexual behavior; sexual arousal and response; gender identity and gender roles; attraction and love; sexual orientation; sexuality across the life cycle; sexual dysfunctions and sex therapy; safer sex and STD prevention; atypical sexual variations; and sexual coercion and abuse and their treatment.

[Psychology 1801. Anxiety Disorders]

Catalog Number: 4906 Enrollment: Limited to 25.

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 2002–03. For both graduate and advanced undergraduate students.

Prerequisite: Psychology 18.

[*Psychology 1803. Eating Disorders]

Catalog Number: 4992 Enrollment: Limited to 15.

Pamela Kohl Keel

Half course (spring term). Hours to be arranged.

Examines the diagnosis, epidemiology, etiology, assessment, and treatment of eating disorders, including anorexia nervosa, bulimia nervosa, binge eating disorder, and subclinical eating disorders. Theories of appetite control and weight regulation also covered.

Note: Expected to be given in 2002–03. May not be taken Pass/Fail.

Prerequisite: An introductory course in psychology.

***Psychology 1851. Introduction to Clinical Science**

Catalog Number: 6392 Enrollment: Limited to 15.

Jill M. Hooley

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17



This course is designed to extend the material covered in Psychology 18 (Abnormal Psychology) 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. No exceptions.

[Psychology 1854. Schizophrenia: Seminar]

Catalog Number: 2771 Enrollment: Limited to 20.

Jill M. Hooley

Half course (spring 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 2002–03.

Prerequisite: Psychology 18.

Psychology 1855. Mood Disorders: Seminar

Catalog Number: 6867

Patricia Deldin

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Examines current theory and research on the etiology and treatment of unipolar and bipolar mood disorders. Cognitive, behavioral, and biological approaches will be emphasized.

Prerequisite: Psychology 18 and introductory psychology.

[*Psychology 1856r. Laboratory in Psychophysiology]

Catalog Number: 7521

Patricia Deldin

Half course (spring term). Hours to be arranged.

An advanced psychophysiology course designed to give students “hands-on” psychophysiology research experience. Theoretical psychophysiology background required.

Note: Expected to be given in 2002–03.

Prerequisite: Psychology 1807.

***Psychology 1860. Methods of Research in Psychopathology**

Catalog Number: 2549 Enrollment: Limited to 18.

Shelley H. Carson

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduction to planning, conducting, and reporting research related to psychopathology.

Students will design a study, as well as collect, analyze, and report data using APA style. Classic and recent studies in the field of psychopathology will serve as models for an understanding of research design and data analysis.

Prerequisite: Psychology 18 and Statistics 100, 101, 102, or 104.



Psychology 1861. Developmental Psychopathology: Seminar

Catalog Number: 1325 Enrollment: Limited to 16.

Shelley H. Carson

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

An overview of mental disorders in childhood and adolescence. Topics will include internalizing problems (anxiety, depression, suicide, and somatic disorders) externalizing problems (conduct disorder, ADHD, and substance abuse), and autism. Theoretical perspectives, diagnostic criteria, etiology, treatment, and risk and protective factors will be examined.

Prerequisite: Psychology 1 or 18.

Psychology 1901. Methods of Behavioral Research

Catalog Number: 3811

Brian R. Little

Half course (spring term). M., W., 2–3:30, and a one-hour section meeting to be arranged.

EXAM GROUP: 7, 8

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 a particular emphasis on data analysis.

Prerequisite: Statistics 100 or 101 or 102 or 104 or the equivalent.

Psychology 1951. Intermediate Quantitative Methods

Catalog Number: 8674

David Kevin Ahern (Medical School)

Half course (fall term). M., W., 1–2:30, and a one-hour section meeting to be arranged. EXAM GROUP: 6, 7

This course will emphasize analysis of variance designs and contrasts for applied behavioral research. Additional topics include reliability, validity, correlation, effect size, and meta-analysis.

Prerequisite: Statistics 100 or 101 or 102 or 104 or the equivalent.

Psychology 1952. Multivariate Analysis in Psychology

Catalog Number: 6191

Lee Baer (Medical School)

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

This course will emphasize multiple regression analysis, analysis of variance, analysis of covariance, and factor analysis. Additional topics include discriminant analysis and structural equation modeling.

Prerequisite: Psychology 1951, facility with at least one computer statistics package, and normally first-or second-year student standing in the psychology graduate program.

Cross-listed Courses

History of Science 175. Madness and Medicine: Themes in the History of Psychiatry

History of Science 176. Evolution and the Mind: Conference Course

[History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine]

Science B-29. Evolution of Human Nature



The following courses offered in Human Development at the Graduate School of Education automatically count for undergraduate concentration credit: Education H-125. Art and the Mind: A Cognitive View of the Arts, Development, and Education; *Education H-155. Seminar: Methods and Concepts in Research on Dynamic Development of Emotion of Cognition; *Education H-173. The Role of the Disciplines in Education Today; *Education H-391. Research Seminar: The Development of Interpersonal Competence and Intergroup Awareness; Education H-843. The Development of Writing. Cross-registration with instructors' and departmental signature is required. Forms for cross-registration are available in Senior Tutors' offices. The above courses; and H-090, Proseminar in Human Development and Psychology are also particularly recommended for graduate students. For full course descriptions, consult the School of Education course catalog.

Primarily for Graduates

Psychology 2010. Contemporary Topics in Psychological Research

Catalog Number: 6515

Daniel L. Schacter and members of the Department

Half course (fall term). M., Th., 4–6. EXAM GROUP: 9, 18

Advanced survey of research topics in experimental, personality, developmental, 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

Marc D. Hauser 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: Required of and limited to first-year graduate students in the CBB program.

***Psychology 2040. Contemporary Topics in Psychopathology**

Catalog Number: 4628 Enrollment: Limited to doctoral candidates.

Jill M. Hooley

Half course (fall term). Tu., 10–12; W., at 12. EXAM GROUP: 12, 13

Advanced survey of current topics in experimental psychopathology.

Note: Required for first-year or second year graduate students in the psychopathology area.

[*Psychology 2050. History of Psychology]

Catalog Number: 3378

Half course (spring term). Hours to be arranged.

A study of the organization of psychology in the late 19th and 20th centuries. Early psychologists—James, Hall, Dewey, Titchener, and Thorndike—initiate research programs in sensation and perception, the study of exceptional mental states, and several forms of educational psychology. Psychologies of personal and social design emerge, centering at first on the naturalistic programs of the “brass instrument laboratories” and theoretical behaviorism, but



more and more giving a place to cognitive, developmental, personality, clinical, and social programs.

Note: Expected to be given in 2002–03.

***Psychology 2100. Research Methodology**

Catalog Number: 8552 Enrollment: Limited to doctoral students.

J. Richard Hackman

Half course (spring term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

Covers all major steps in conducting an empirical research project, with emphasis on studies that involve human participants. Topics include finding and formulating research problems; research design strategies; developing and validating concepts; designing and assessing empirical measures and manipulations; issues in data collection, analysis, and interpretation; and writing and publishing research reports.

***Psychology 2150. Memory Development: Seminar**

Catalog Number: 4765

Michelle D. Leichtman

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines basic issues in the development of the memory system across the lifecourse. Topics include infant memory, childhood amnesia, suggestibility, affect and memory, strategy development, metamemory, memory across cultures, and the development of memory in various modalities. Considers memory in applied as well as laboratory contexts.

Psychology 2160. Conceptual Development

Catalog Number: 6752

Susan E. Carey

Half course (fall term). Tu., 2–5. EXAM GROUP: 16, 17, 18

Survey of theoretical debates concerning the development of concepts, reasoning, and the lexicon, including the nature of innate knowledge, continuity through development, cross-cultural and cross-species variation, and the interactions between language and thought during development.

Note: Limited to graduate students in psychology.

[*Psychology 2170. Origins of Knowledge]

Catalog Number: 6883

Elizabeth S. Spelke

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Psychology 2180. Modularity, Domain-Specificity, and the Organization of Knowledge

Catalog Number: 5200

Elizabeth S. Spelke

Half course (fall term). W., 7–10 p.m.; Tu., at 12; M., at 3.

This course considers the modular organization of the mind and brain, including the domains of objects, number, places, and people, based on behavioral studies of animals, humans with and without pathology, and imaging studies.



Note: The course is held every other week at MIT, and the first meeting will be Sept. 5 in Rm. NE20-461 at MIT (above the MIT Coop in Central Square; entrance is at 3 Cambridge Center, behind the Coop. If door is locked wait and someone will come down to let you in.)

Psychology 2210. Seminar on Concepts and Words

Catalog Number: 6738

Jesse Snedeker and members of the Department.

Half course (spring term). Th., 6–8 p.m. EXAM GROUP: 18

This course will examine how concepts are acquired in people and in non-human primates, the representation of concepts and words, and the relationship between concept acquisition and word learning.

Note: Limited to graduate students. No undergraduates admitted.

***Psychology 2220. Research in the Development of Concepts and Language**

Catalog Number: 4672

Susan E. Carey and members of the Department.

Half course (fall term). Hours to be arranged.

Research seminar open to graduate students and advanced undergraduates conducting research in cognitive development.

***Psychology 2230. Research in the Development of Cognition and Perception**

Catalog Number: 3164

Elizabeth S. Spelke and members of the Department.

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Research seminar open to graduate students and advanced undergraduates conducting research in cognitive development.

***Psychology 2240. Topics in Visual Cognition**

Catalog Number: 7650 Enrollment: Limited to 12.

Daniel J. Simons

Half course (fall term). M., 12–3. EXAM GROUP: 5, 6, 7

This seminar course will focus on a selection of current and historical issues in the study of visual cognition. Discussions in each meeting will focus on a single topic and will be based on several articles from the primary literature. The course is designed for graduate students or advanced undergraduates who have had some exposure to cognitive psychology or perception. *Prerequisite:* Psychology 13 or equivalent and some experience reading cognitive psychology journal articles (e.g., an advanced methods course, research experience, sophomore tutorial).

***Psychology 2253r (formerly *Psychology 2253r). Behavioral Neuroscience: Research Seminar**

Catalog Number: 1146

Mark G. Baxter

Half course (fall term). W., at 6.

Note: Open only to graduate students and undergraduates involved in research in the instructor's laboratory.



Psychology 2300r. Perception, Cognition, and Representation: Seminar

Catalog Number: 8369

Patrick Cavanagh

Half course (spring term). F., 12–2. EXAM GROUP: 5, 6

Discussion of issues in perception, attention, and cognition.

Note: Undergraduates may enroll with permission of the instructor.

[*Psychology 2335r (formerly *Psychology 3380r). Language: Research Seminar]

Catalog Number: 5121

Alfonso Caramazza

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

***Psychology 2353r. Visual Cognition: Research Seminar**

Catalog Number: 6563

Daniel J. Simons

Half course (fall term; repeated spring term). Spring: F., 2–4. EXAM GROUP: Spring: 7, 8

Note: Open only to graduate students and undergraduates involved in or interested in research in the instructor's laboratory.

***Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar**

Catalog Number: 1119

Stephen M. Kosslyn

Half course (fall term; repeated spring term). Fall: M., at 2; M., at 2; Spring: Tu., at 3. EXAM GROUP: Fall: 7; Spring: 17

Focuses on how one asks and answers questions about visual cognition. Students are involved in all phases of conducting experiments and learn the fundamentals of experimental design and data analysis. Students formally present their research to the seminar as well as work independently.

Note: Meets advanced methods requirement for undergraduates. Undergraduates may enroll with permission of instructor.

Prerequisite: Psychology 13 or BS 80, plus statistics.

[*Psychology 2400. Cognitive Psychology and Emotional Disorders]

Catalog Number: 6138 Enrollment: Limited to graduate students.

Richard J. McNally

Half course (spring term). Hours to be arranged.

This seminar concerns research and theory on the application of cognitive psychology methods to the understanding of anxiety and mood disorders.

Note: Expected to be given in 2002–03.

[Psychology 2420. Cognitive-Behavioral Treatment of Psychological Disorders]

Catalog Number: 8446

Richard J. McNally

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. Theoretical underpinnings of cognitive-behavioral therapy are also addressed.

Note: Expected to be given in 2002–03. Limited to graduate students.

[*Psychology 2435. Laboratory in Eating Disorders]

Catalog Number: 2559 Enrollment: Limited to 10.

Pamela Kohl Keel

Half course (spring term). Hours to be arranged.

Trains students in the assessment of eating disorders, including anorexia nervosa, bulimia nervosa, binge eating disorder, and eating disorders not otherwise specified. Particular attention given to differentiating between normal and abnormal eating and weight control behaviors. Psychometric properties of various self-report and structured interview assessments covered.

Note: Expected to be given in 2002–03.

Prerequisite: Psychology 1, Psychology 18, and introductory statistics.

***Psychology 2460. Diagnostic Interviewing**

Catalog Number: 4157 Enrollment: Limited to 12. Graduate students only.

Jill M. Hooley

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

Focuses on the development of clinical interviewing and diagnostic skills through exposure to the Structured Clinical Interview for DSM-III-R (SCID-R) and other research-oriented diagnostic interviews. Examines the major issues in diagnosis and assessment and provides exposure to syndromes of psychopathology via videotapes, audiotapes, and direct clinical interviews.

Prerequisite: Psychology 2040.

[*Psychology 2480. Human Neuropsychology/Neuroanatomy: Seminar]

Catalog Number: 4335

William P. Milberg (Medical School)

Half course (fall term). Hours to be arranged.

An introduction to the anatomical structure of the human brain with an emphasis on neuropsychological correlates and the cortical representation of higher order cognitive functions. Consists of a gross brain dissection laboratory followed by discussions of descriptive and theoretical aspects of clinical neuropsychological phenomena.

Note: Expected to be given in 2002–03. Preference to graduate students who have completed Psychology 2010; if space is available, qualified undergraduates who have taken Biological Sciences 25 or 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. EXAM GROUP: 18

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 to graduate students who have completed Psychology 2010 and Psychology 2480; if space is available, qualified undergraduates who have taken Biological Sciences 25 or



80 may enroll with permission of instructor.

Prerequisite: Psychology 2010; *Psychology 2480 recommended.

***Psychology 2500. Advanced Social Psychology**

Catalog Number: 5094

Daniel M. Wegner

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Advanced survey of classic and current research and theory in social psychology, including self, social cognition, attitudes, social influence, altruism and aggression, prejudice and discrimination, close relationships, and group dynamics.

Note: Seniors may enroll with permission of instructor.

***Psychology 2525. Emotion: Social and Neuroscience Perspectives**

Catalog Number: 5594 Enrollment: Limited to 15. This course will examine social and neuroscience perspectives on emotion,

Mahzarin R. Banaji and Nalini Ambady

Half course (spring term). Hours to be arranged.

This course will examine social and neuroscience perspectives on emotion, with a focus on recent advances.

***Psychology 2530r. Mental Control: Research Seminar**

Catalog Number: 2364

Daniel M. Wegner

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 5, 6

Note: Open only to graduate students and undergraduates involved in research in the instructor's laboratory.

[*Psychology 2551. Themes and Controversies in Social Cognition: Seminar]

Catalog Number: 3829 Enrollment: Limited to 15.

Daniel T. Gilbert

Half course (spring term). Hours to be arranged.

Explores theory and research on cognitive processes in social psychology. Rather than focusing on the details of particular methods and models, the seminar concentrates instead on scientific answers to “big questions,” such as: How does the mind construct reality? Can we, do we, and should we control our thoughts and actions? How do we gain knowledge of ourselves and others? What does it mean to be rational, and is this something to strive for? Can we avoid thinking in socially pernicious ways, and if not, can we be held responsible for the consequences of our thoughts? Can we fool ourselves about ourselves, and if so, is this a bad thing?

Note: Expected to be given in 2002–03. Advanced undergraduates may enroll with permission of instructor.

Psychology 2560. Judgment and Decision Making

Catalog Number: 3807

Nicholas Epley

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Will investigate the mechanisms used to make judgments under uncertainty and what these



mechanisms suggest about the accuracy of everyday human judgment. Topics will include judgmental heuristics, egocentrism, prediction and recollection, attribution, and metacognition.
Note: Open to graduate students only.

***Psychology 2580r. Affective Forecasting: Research Seminar**

Catalog Number: 4262

Daniel T. Gilbert

Half course (fall term; repeated spring term). Fall: M., 10:30–12; Spring: Th., 3:30–5. EXAM GROUP: Fall: 3, 4; Spring: 17, 18

Note: Open to students working on research in the instructor's laboratory.

***Psychology 2630. Social Behavior in Organizations: Seminar**

Catalog Number: 0991 Enrollment: Limited.

J. Richard Hackman

Half course (fall term). Th., 12–1:30. EXAM GROUP: 14, 15

The social psychology of organizations. Topics include how groups and organizations affect individual members and vice versa; interpersonal and group processes; work team effectiveness; power and political dynamics in organizations; intergroup relations; contextual influences on behavior in organizations; group and organizational leadership.

Note: Open to doctoral students only. Students are also expected to attend the lectures of Psychology 1501.

Psychology 2650. Behavioral Approaches to Decision Making and Negotiation

Catalog Number: 7147

Max H. Bazerman

Half course (spring term). M., 3–6. EXAM GROUP: 8, 9

Provides a research overview of (1) the field of behavioral decision making and (2) decision analytic perspectives to negotiation. A core focus of the course will be the individual as a less-than-perfect decision maker. On the decision-making side, we will start with the concept of bounded rationality, continue with early research on decision biases, and assess the current state of research on human decision making. On the negotiation side, we will develop a behavioral decision perspective to negotiation, and examine how the field is currently evolving.

Note: Open to advanced undergraduates with a strong research interest with permission of instructor.

[*Psychology 2660r (formerly Psychology 3040r). Research Seminar in Mindfulness Theory]

Catalog Number: 4909

Ellen J. Langer

Half course (fall term; repeated spring term). Hours to be arranged.

Mindfulness/mindfulness theory as it is compared to relevant current theories in social and cognitive psychology and as explored in applied settings. Experimental research required.

Note: Expected to be given in 2002–03.

[*Psychology 2670a. Decision Making and Perceived Control I]

Catalog Number: 1193



Ellen J. Langer

Half course (fall term). Hours to be arranged.

Theory and research address the following topics as they relate to decision making: the illusion of control, predictability, actual vs. perceived control, internal vs. external control, risk taking, and mindfulness theory. Topics on relinquishing control include learned helplessness, obedience to authority, and mindlessness theory. These topics are examined in a variety of settings, including medicine, education, business organizations, and art.

Note: Expected to be given in 2002–03. Qualified undergraduates welcome to enroll.

[*Psychology 2670b. Decision Making and Perceived Control II]

Catalog Number: 3434

Ellen J. Langer

Half course (spring term). Hours to be arranged.

The deeper theoretical and experimental issues pertaining to control and mindfulness, as defined in *Psychology 2670a, are explored. Experimental research is required.

Note: Expected to be given in 2002–03. Qualified undergraduates welcome to enroll.

Prerequisite: *Psychology 2670a.

Psychology 2680. Applied Social Psychology: Seminar

Catalog Number: 1596

Philip Stone

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines attempts to create useful social psychology, from WW-II projects and NTL T-groups to recent tipping-point strategies for social change, constructing narratives for healthy sense-making, and assessing implicit attitudes for market research.

Note: Open to undergraduates.

***Psychology 2690r. Self and Social Judgment: Research Seminar**

Catalog Number: 7990

Nicholas Epley

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open only to graduate students and undergraduates conducting research in the instructor's laboratory.

[Psychology 2700. Debates in the Practice of Good Psychological Science]

Catalog Number: 5986

Stephen M. Kosslyn and members of the Department

Half course (fall term). Hours to be arranged.

Addresses differences in models of *good science* across areas of psychology. Faculty discussants present their *philosophies of science*, answering questions such as what constitutes science, an ideal research question, method, interpretation and dissemination of results.

Note: Expected to be given in 2002–03. Senior psychology concentrators welcome to enroll; consult instructors before the start of class.

[*Psychology 2900. Professional Ethics]

Catalog Number: 6702 Enrollment: Limited to graduate students.



Pamela Kohl Keel

Half course (spring term). Hours to be arranged.

Examines ethical principles and legal issues concerning applied psychology in general, and clinical psychology in particular. The ethical dilemmas faced by psychologists in a variety of roles will be discussed, with a particular emphasis on practicing psychologists and academicians. Key legal principles and precedent-setting legal decisions will be covered.

Note: Expected to be given in 2002–03.

Cross-listed Courses

[History of Science 275. “The Minded Body”: Theoretical and Empirical Explorations]

[*History of Science 278. In Search of Mind: Seminar]

Graduate Courses of Reading and Research

***Psychology 3010. Special Reading and Research**

Catalog Number: 7858

Nalini Ambady 1528 (on leave 2001-02), Mahzarin R. Banaji 4258, Mark G. Baxter 1364 (on leave spring term), Alfonso Caramazza 1871 (on leave 2001-02), Susan E. Carey 4113, Patrick Cavanagh 2447, Patricia Deldin 1692 (on leave 2002-03), Nicholas Epley 3975, Daniel T. Gilbert 2359 (on leave 2002-03), J. Richard Hackman 1504, Marc D. Hauser 3347, Jill M. Hooley 1191 (on leave 2002-03), Pamela Kohl Keel 2099 (on leave 2001-02), Stephen M. Kosslyn 7836, Ellen J. Langer 4967 (on leave 2001-02), Michelle D. Leichtman 3438, Richard J. McNally 2978 (on leave 2001-02), Ken Nakayama 2558, Daniel L. Schacter 2805, Daniel J. Simons 3087, Jesse Snedeker 4118, Elizabeth S. Spelke 3850, Philip Stone 2275, and Daniel M. Wegner 3758 (on leave spring term)

Half course (fall term; repeated spring term). Fall: M., 11–1.

***Psychology 3020. Direction of Doctoral Dissertation**

Catalog Number: 4492

Nalini Ambady 1528 (on leave 2001-02), Mahzarin R. Banaji 4258, Mark G. Baxter 1364 (on leave spring term), Alfonso Caramazza 1871 (on leave 2001-02), Susan E. Carey 4113, Patrick Cavanagh 2447, Patricia Deldin 1692 (on leave 2002-03), Nicholas Epley 3975, Daniel T. Gilbert 2359 (on leave 2002-03), J. Richard Hackman 1504, Marc D. Hauser 3347, Jill M. Hooley 1191 (on leave 2002-03), Jerome Kagan 2243, Pamela Kohl Keel 2099 (on leave 2001-02), Stephen M. Kosslyn 7836, Ellen J. Langer 4967 (on leave 2001-02), Michelle D. Leichtman 3438, Richard J. McNally 2978 (on leave 2001-02), Ken Nakayama 2558, Daniel L. Schacter 2805, Daniel J. Simons 3087, Jesse Snedeker 4118, Elizabeth S. Spelke 3850, Philip Stone 2275, and Daniel M. Wegner 3758 (on leave spring term)

Members of the Department and others listed under *Psychology 3010 direct doctoral dissertations.

[*Psychology 3040. Clinical Psychology: Science and Practice]

Catalog Number: 0309

Jill M. Hooley 1191 (on leave 2002-03)

Half course (fall term). Hours to be arranged.



Introduction to clinical psychology from a scientist-practitioner perspective. Focuses on how research-based approaches to the study and treatment of psychopathology can translate into high quality ethical care for patients with major psychiatric problems.

Note: Expected to be given in 2003–04. Required of and limited to doctoral students in the Clinical Psychology program.

***Psychology 3050r. Clinical Practicum**

Catalog Number: 6299 Enrollment: Limited to students in the Clinical Psychology Program.

Jill M. Hooley 1191 (on leave 2002-03)

Half course (fall term; repeated spring term). Hours to be arranged.

Students will work in clinical settings locally and, under supervision, will be directly involved in the treatment and clinical care of patients.

***Psychology 3060r. Multicultural Aspects of Clinical Treatment**

Catalog Number: 7321 Enrollment: Limited to students in the Clinical Psychology Program.

Jill M. Hooley 1191 (on leave 2002-03) 1191

Half course (fall term; repeated spring term). Hours to be arranged.

Focuses on the clinical management of patients from different cultural backgrounds and provides supervised experience in the treatment of such patients.

***Psychology 3070 (formerly *Psychology 2465). Clinical Assessment and Treatment Practicum**

Catalog Number: 4439 Enrollment: Limited to graduate students in Clinical Psychology.

Jill M. Hooley 1191 (on leave 2002-03) 1191 and members of the Department.

Half course (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.

***Psychology 3330ar. Memory: Research Seminar**

Catalog Number: 0141

Daniel L. Schacter 2805

Half course (fall term). F., at 12.

Note: Open only to students involved in research.

***Psychology 3330br (formerly *Psychology 3330). Memory: Research Seminar**

Catalog Number: 6989

Daniel L. Schacter 2805

Half course (spring term). Hours to be arranged.

Note: Open only to students involved in research.

***Psychology 3340r. Research Seminar in Cognition, Brain, and Behavior.**

Catalog Number: 1754

Marc D. Hauser 3347, Daniel L. Schacter 2805 and members of the Department.

Half course (fall term; repeated spring term). Fall: Th., 12:30–2; Spring: Tu., 12:30–2 Spring:

Hours to be arranged. .



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 3360r. Current Topics in Vision and Sensory Processes**

Catalog Number: 0604

Ken Nakayama 2558

Half course (fall term; repeated spring term). Tu., 12–2. EXAM GROUP: 14, 15

***Psychology 3420r. Research Workshop in Social Psychology**

Catalog Number: 7610

Philip Stone 2275 (spring term only), Daniel M. Wegner 3758 (fall term only)

Half course (fall term; repeated spring term). Fall: Tu., 12–2; Spring: 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 the Social Psychology Program at Harvard, as well as visiting speakers. The course is required of first-year students enrolled in the Social Psychology Program. The course is closed to all but those students in the Fall, and is open to all graduate students enrolled in the Social Psychology Program in the Spring.

***Psychology 3450. Social Cognition and Social Neuroscience: Research Seminar**

Catalog Number: 7865

Mahzarin R. Banaji 4258

Half course (spring term). Tu., 6–8 p.m.

Note: Open to graduate students involved in research in the instructor's laboratory.

[*Psychology 3490a. Analysis of Psychological Data: Issues and Examples]

Catalog Number: 0652

Donald B. Rubin 7966

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

[*Psychology 3490b. Analysis of Psychological Data: Issues and Examples]

Catalog Number: 0660

Donald B. Rubin 7966

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

***Psychology 3550r. Teaching Psychology**

Catalog Number: 0853

Stephen M. Kosslyn 7836

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

Stephen M. Kosslyn 7836 and members of the Department



Half course (fall term; repeated spring term). Hours to be arranged.

Note: Normally required of and limited to department graduate students who are first-time teaching fellows.

[*Psychology 3560 (formerly *Psychology 2900). The Real World]

Catalog Number: 5482

Stephen M. Kosslyn 7836, Patrick Cavanagh 2447, and J. Richard Hackman 1504

Half course (spring term). Hours to be arranged.

Orientation of students to the world after graduate school. Reviews basic survival skills. Some of these skills are of immediate use (such as those pertaining to teaching), and some become useful only when the student is preparing to enter the job market (such as how to give a job talk, how to write a vita, how to write a grant proposal).

Note: Expected to be given in 2003–04. Limited to graduate students in Psychology.

Public Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Policy

Robert H. Bates, Eaton Professor of the Science of Government (*Chair*)

Arthur I. Applbaum, Professor of Ethics and Public Policy (*Kennedy School*)

Christopher N. Avery, Associate Professor of Public Policy (*Kennedy School*)

Mary Jo Bane, Thornton Bradshaw Professor of Public Policy and Management (*Kennedy School*)

L. Jean Camp, Assistant Professor in Public Policy (*Kennedy School*)

William C. Clark, Sidney Harman Professor of International Science, Public Policy, and Human Development (*Kennedy School*)

John D. Donahue, Lecturer in Public Policy (*Kennedy School*)

David Tabor Ellwood, Lucius N. Littauer Professor of Political Economy (*Kennedy School*)

Jane E. Fountain, Associate Professor in Public Policy (*Kennedy School*)

Peter Frumkin, Assistant Professor of Public Policy (*Kennedy School*)

William W. Hogan, Lucius N. Littauer Professor of Public Policy and Administration (*Kennedy School*) (*ex officio*)

Sheila S. Jasanoff, Professor of Science and Public Policy (*Kennedy School, Public Health*)

Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)

Steven Kelman, Albert J. Weatherhead III & Richard W. Weatherhead Professor of Public Management (*Kennedy School*)

Sanjeev Khagram, Assistant Professor in Public Policy (*Kennedy School*)

David C. King, Associate Professor in Public Policy (*Kennedy School*)



Mark H. Moore, Daniel and Florence Guggenheim Professor of Criminal Justice, Policy and Management (*Kennedy School*)

Katherine Newman, Malcolm Wiener Professor of Urban Studies (*Kennedy School*)

Anne M. Piehl, Assistant Professor of Public Policy (*Kennedy School*)

Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy

Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)

Frederick Schauer, Frank Stanton Professor of the First Amendment (*Kennedy School*)

David A. Wise, John F. Stambaugh Professor of Empirical Analysis (*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 five 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

David D. Hall, Professor of American Religious History on the Bartlett and the Emerson Fund for Unitarian Universalist Studies (*Divinity School*) (*Chair*)



Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages (*Acting Chair (fall term), Director of PhD Studies (on leave spring term)*)
 François Bovon, Frothingham Professor of the History of Religion (*Divinity School*) (*Director of ThD Studies*)
 Sarah Coakley, Edward Mallinckrodt, Jr. Professor of Divinity (*Divinity School*)
 Harvey G. Cox, Jr., Victor S. Thomas Professor of Divinity (*Divinity School*)
 Diana L. Eck, Professor of Comparative Religion and Indian Studies (*on leave fall term*)
 Francis Fiorenza, Charles Chauncey Stillman Professor of Roman Catholic Theological Studies (*Divinity School*)
 Robert M. Gimello, Visiting Professor of East Asian Studies and Religious Studies
 William A. Graham, Jr., Albertson Professor of Middle Eastern Studies and Professor of the History of Religion
 Paul D. Hanson, Florence Corliss Lamont Professor of Divinity (*Divinity School*)
 Michael Herzfeld, Professor of Anthropology (*on leave spring term*)
 Beverly Mayne Kienzle, Professor of the Practice of Latin and Roman Languages (*Divinity School*)
 David Little, T. J. Dermot Dunphy Professor of the Practice in Religion, Ethnicity, and International Conflict (*Divinity School*)
 Brian C. W. Palmer, Lecturer on Religion (*Head Tutor*)
 Elisabeth Schüssler Fiorenza, Krister Stendahl Professor of Divinity (*Divinity School*)
 Kay Kaufman Shelemay, G. Gordon Watts Professor of Music
 Alison Simmons, John L. Loeb Associate Professor of Philosophy
 Lawrence E. Sullivan, Professor of the History of Religions (*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
 Preston N. Williams, Houghton Professor of Theology and Contemporary Change (*Divinity School*)
 Richard Wolf, Assistant Professor of Music (*on leave 2002-03*)

Other Faculty Offering Instruction in the Study of Religion

Leila Ahmed, Professor of Women's Studies in Religion (*Divinity School*)
 Gary Anderson, Professor of Hebrew Bible (*Divinity School*)
 Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Culture
 Asher D. Biemann, Lecturer
 Nicholas P. Conzas, Assistant Professor of Theology (*Divinity School*)
 Karen Anne Derris, Lecturer on Religion
 Arthur J. Dyck, Mary B. Saltonstall Professor of Population Ethics (*Public Health and Divinity School*)
 Peter J. Gomes, Plummer Professor of Christian Morals (*Divinity School*)
 Jo Ann Hackett, Professor of the Practice of Biblical Hebrew and Northwest Semitic Epigraphy (*on leave 2001-02*)
 Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society (*on leave spring term*)
 Jay M. Harris, Harvard College Professor and Harry Austryn Wolfson Professor of Jewish



Studies

Joseph C. Harris, Professor of English and Folklore

J. Bryan Hehir, Professor of the Practice in Religion and Society (*Divinity School*)

Albert Henrichs, Eliot Professor of Greek Literature

Evelyn Brooks Higginbotham, Professor of History and of Afro-American Studies (*on leave fall term*)

Karen L. King, Professor of New Testament Studies and the History of Ancient Christianity (*Divinity School*)

James T. Kloppenberg, Professor of History

James L. Kugel, Harry Starr Professor of Classical and Modern Jewish and Hebrew Literature and Professor of Comparative Literature

Courtney Bickel Lamberth, Lecturer on the Study of Religion, Allston Burr Senior Tutor in Winthrop House

David Lamberth, Assistant Professor of Theology (*Divinity School*)

Kimerer LaMothe, Lecturer

Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)

David Gordon Mitten, James Loeb Professor of Classical Art and Archaeology

Roy Mottahedeh, Gurney Professor of History

Charles D. Parsons, Edgar Pierce Professor of Philosophy (*on leave 2001-02*)

Kimberley C. Patton, Assistant Professor in the Comparative and Historical Study of Religion (*Divinity School*)

Ralph B. Potter, Professor of Social Ethics (*Divinity School*)

Christopher S. Queen, Lecturer on the Study of Religion

P. Oktor Skjaervo, Aga Khan Professor of Iranian

Stanley J. Tambiah, Esther and Sidney Rabb Professor of Anthropology

Ronald Thiemann, John Lord O'Brian Professor of Theology (*Divinity School*)

Cornel West, Alphonse Fletcher, Jr., University Professor

Irene J. Winter, William Dorr Boardman Professor of Fine Arts

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



2001-2002 Previous Courses of Instruction

100–199 Ancient Near Eastern and Israelite

200–299 Judaic

300–349 Greek, Hellenistic, and Roman

350–399 Iranian and Central Asian

400–499 Christian

500–549 Modern Western

550–599 Islamic

600–699 Hindu

700–799 Buddhist

800–899 Chinese and Japanese

900–999 African and Other

Tutorials in the Comparative Study of Religion

Primarily for Undergraduates

***Religion 91r. Supervised Reading and Research**

Catalog Number: 8046

Brian C. W. Palmer and members of the Committee

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. Tutorial — Sophomore Year**

Catalog Number: 7608

Brian C. W. Palmer

Half course (spring term). Hours to be arranged. EXAM GROUP: 17, 18

Note: Required of concentrators.

***Religion 98a. Tutorial — Junior Year**

Catalog Number: 2832

Brian C. W. Palmer and assistants

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.



***Religion 98b. Tutorial — Junior Year**

Catalog Number: 2922

Brian C. W. Palmer and assistants

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***Religion 99. Tutorial — Senior Year**

Catalog Number: 6498

Brian C. W. Palmer and assistants

Full course. Hours to be arranged.

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: Diversity and Dialogue]

Catalog Number: 4811

Diana L. Eck

Half course (fall term). Hours to be arranged.

An introduction to the major religious traditions of the world through the writings and perspectives of 20th-century adherents of those traditions. What does it mean to be a Hindu, Buddhist, Jew, Christian, or Muslim today? How do people of faith think about the internal diversity of their own tradition and about the wider issue of religious diversity? Special attention given to the problem of pluralism and religious truth as viewed from the perspective of each religious tradition and to the particular issues of emerging pluralism in the United States.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 3220.

Cross-listed Courses

[Foreign Cultures 12. Sources of Indian Civilization]

[Literature and Arts A-80. To Far Places: Literature of Journey and Quest]

General: Comparative and Methodological

For Undergraduates and Graduates

[Religion 1001. Ethnographic Imaginations]

Catalog Number: 0156

Brian C. W. Palmer

Half course (spring term). Hours to be arranged.

This course provides a practical introduction to field research projects, from the initial conception to the final acts of writing. Readings include innovative ethnographies—particularly



those dealing with religious subjects—as well as reflections on method. Attention is given to the difficulty of apprehending the beliefs and experiences of others, whether as a reverent insider or a skeptical outsider. Individual and small-group fieldwork projects promote an awareness of methodological choices and a habit of critical self-scrutiny. Writing exercises encourage experimentation in diverse ethnographic genres as well as the development of a dependable personal voice.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 3331.

Religion 1004. Religious Dimensions in Human Experience

Catalog Number: 9089

David L. Carrasco

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A critical introduction to major themes in the history of religions including religious experience, cosmic cities, ritual violence, charisma, ancestors and ghosts, the death of God(s), search for the soul, identity and ethnicity. A robust study of religious claims in Judeo-Christian, Islamic, Hindu traditions and Latin American and African American Religions by reading Toni Morrison, Tomas Eloy Martinez, Diana Eck, Mircea Eliade, Leila Ahmed and others.

Note: Offered at the Divinity School as HDS 3160.

[Religion 1007. Religion in Multicultural America]

Catalog Number: 3416

Diana L. Eck

Half course (fall term). . EXAM GROUP: 12

An exploration of the changing religious landscape of the US, looking at the history and dynamic interaction of the various religious traditions that now compose the American religious scene. Focuses on the religious life of Asian-Americans—Buddhist, Hindu, Sikh, Jain—and on the African-American and immigrant traditions of Islam. Throughout is a dual focus on how the various religious traditions are changing in the American environment and how America is changing in this new multireligious context.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 3221.

[Religion 1008. Practicing Religion]

Catalog Number: 1834 Enrollment: Limited

Kimerer LaMothe

Half course (spring term). Hours to be arranged.

When studying religion, how important is it for a scholar to consider what people actually do? What is the relationship between what a person or community practices and what a person or community believes? Between religious ideas and religious actions? Or between sacred texts and ritual performance? This course investigates the recent explosion of theories on practice and performance as these theories are being used to illuminate questions in and about the field of religious studies. Readings may include: Freud, Foucault, Merleau-Ponty, Bordieu, de Certeau, Bell, Schechner, Butler, and others.

Note: Expected to be given in 2002–03. Jointly offered by the Divinity School as 2446.

Prerequisite: Sophomore Tutorial or coursework in theory and method, philosophy, cultural studies, or the equivalent.


[Religion 1009. Designing a World Religion Museum]

Catalog Number: 4290

Lawrence E. Sullivan (Divinity School)
Half course (spring term). Hours to be arranged.

If you could design a World Religion Museum, how would you do it? Impassioned public debates surround the treatment of religion in museums, where research, education, and entertainment are displayed in revealing ways. This course asks how we learn and teach about religion in a plural society. As leisure time and access to “other” cultures grow, museums crystallize questions about the relationship of: art to religion, education to entertainment, object to community, self-representation to representation of the “other.” How do you reconcile the authority of social institutions with the ongoing creativity of living communities? What context best discloses the meaning of religious art: patronage, patrimony, property, or performance? Drawing on existing models and new proposals, students will develop defensible intellectual concepts and cultural content for a museum. This course will be offered in collaboration with the School of Design, the School of Education, and other Harvard graduate programs to produce model museums, replete with content and educational programs.

Note: Expected to be given in 2003–04. Offered by the Divinity School as 3323.

[Religion 1012a. Dreams and Dreaming]

Catalog Number: 5216

Kimberley C. Patton (Divinity School)
Half course (fall term). Hours to be arranged.

The course will consider the religious role of the dream as initiatory experience, metaphor for aboriginal time, gateway to the other world, venue for the divine guide, revelation, healing event, “royal road” to the unconscious, occasion for quest or journey, epistemological paradox, and divinatory omen of the personal or collective future. Theories of dreams, the history of dream interpretation, and the relationship of dreams to both myth and ritual will be examined cross-culturally. The course will also evaluate current research in the psychology and neurobiology of dreams with respect to relevance for the theological and spiritual dimensions of human dreaming.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 3315A.

[Religion 1012b. Dreams and Dreaming]

Catalog Number: 5697

Kimberley C. Patton (Divinity School)
Half course (fall term). Hours to be arranged.

A continuation of Religion 1012a.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 3315B.

Prerequisite: It is not necessary to have taken Religion 1012a/HDS 3315A to take Religion 1012b/HDS 3315B.

Religion 1016. How to Understand Religion: Theory from Max Müller to Catherine Bell

Catalog Number: 5017

Lawrence E. Sullivan (Divinity School)
Half course (fall term). M., W., at 11 and an hour to be arranged. EXAM GROUP: 4

Surveying modern methods, this basic course reviews prominent theorists and schools concerned



with the nature and function of religion in order to ground key questions about religion and culture. Is religion rooted primarily in a personal quest for meaning or in institutional control of society? Do the order and function of religion operate largely on an unconscious level, like the structures of spoken language? Do myth and symbol point to truth? How can such truths be known and expressed? Are religious texts the best guides to religious meaning, or do actions speak louder than words? Do the origins of religion still shape religious experience and practice today? Are religions similar or different? Is the human being fundamentally intrinsically religious?

Note: Offered by the Divinity School as 3321.

Religion 1017. New Religious Movements and Society: Conference Course

Catalog Number: 8082

Helen Hardacre

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

This conference course examines the emergence and development of new religious movements (NRMs) from the 19th century to the present, based on case studies from Europe, Africa, the United States, and Japan. Topics include interpretations of the founding of NRMs, conflicts between NRMs and the media, and the contemporary millenarianism.

Note: Offered by the Divinity School as 3810.

Religion 1019. Science and the Spiritual Quest

Catalog Number: 5596

Lawrence E. Sullivan (Divinity School)

Half course (spring term). M., W., at 10 with an additional hour to be arranged. EXAM GROUP: 3

The course covers three broad areas in science and religion: Cosmological sciences (e.g., physics and astronomy); Life sciences (evolutionary biology, genetics, neurobiology); and Sciences of the human person, individuals, and groups. Sullivan will draw on multiple religious traditions and spiritual perspectives to focus on the spiritual quest in an age marked by science. Separate sections for undergraduates, master's students and doctoral students. Assignments for doctoral and master's students include historical and philosophical dimensions.

Note: Offered by the Divinity School as 3319

[Religion 1030. Texts, Writers, and Readers]

Catalog Number: 1164 Enrollment: Limited to 20.

David D. Hall

Half course (fall term). Hours to be arranged.

This readings and research colloquium studies the production and transmission of texts within different religious traditions (chiefly Christianity, but also Buddhism, Judaism, etc.); authority or authenticity in relation to the fluidity of transmission; and the meanings of “author” and of the mediating figure of “reader.” The primary focus is on written texts, though oral tradition will be considered as well.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 2389.

Religion 1045. Thinking About Thinking

Catalog Number: 6190 Enrollment: Limited to 250. 250 total: 50 law students, 50 graduate



students from other Harvard schools, 140 undergraduates, and 10 fellows.

Harvey G. Cox, Jr. (Divinity School), Alan Dershowitz (Law School), and Stephen J. Gould
Half course (spring term). Tu., 3–5 and a weekly discussion to be arranged. EXAM GROUP: 17,
18

A discussion of selected topics with the aim of isolating, illustrating, and examining the distinctive modes of thinking in science, religion, philosophy and law. Topics vary from year to year and may include some of the following: line-drawing and classification; beginnings and endings of life; effects and side-effects; causality, evidence, explanation and contingency; free will; biological and genetic explanations of behavior; legal punishment; discrimination and affirmative action; race, ethnicity and nationality; parents and children; gender; contrast between religious and empirical beliefs; natural law; textual interpretation; realism and perspectivism; animal rights.

Note: Offered by the Divinity School as 2480 and by the Law School as 47200-31.

[Religion 1050. Multicultural Biblical Criticism: Conference Course]

Catalog Number: 1219 Enrollment: Limited to 20.

Elizabeth Schüssler Fiorenza

Half course (fall term). Hours to be arranged.

The course will discuss both the multicultural character of biblical texts and multiculturalism as a new interpretive approach in biblical studies. African, Asian, Indigenous, Latin American, Aboriginal, American Indian, Latina/o-Hispanic, and Australian studies, as well as, ethnicity, feminist, womanist, black, queer, liberation theological, postcolonial, and third World studies, have begun to de-center the hegemonic paradigm of biblical studies. This emerging emancipatory paradigm of biblical criticism is interdisciplinary, multi-vocal, ideology critical, and multicultural. The course discussions will explore the theoretical and methodological challenges these multicultural voices from the margins bring to biblical interpretation and will study the works of leading scholars that are shaping this field of study.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 2556.

[Religion 1075. Jerusalem: An Interdisciplinary Inquiry]

Catalog Number: 3014

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). Hours to be arranged.

A holy city for three faiths, the focus of poetry, song, legend, and ideology, and a continuing political flashpoint, the city of Jerusalem provides a rich case study in religious history, art and architecture, eschatology and the phenomenology of sacred space. It also provides a critical test for inter-faith dialogue and peace-making. Utilizing a variety of disciplines, we will explore the meanings Jerusalem has had in the past and consider alternative solutions to current questions about its future.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 2505.

Cross-listed Courses

[Anthropology 278 \(formerly Anthropology 183\). The Charisma of Saints, and the Cults of Relics, Amulets, Images, and Shrines](#)
[Celtic 107. Early Irish History](#)



Celtic 150. Celtic Paganism

[Comparative Literature 112. Religion and Literature in the Middle Ages]

***Folklore and Mythology 103. Oral Literature**

[Social Analysis 36. Religion and Modernization: Cultural Revolutions and Secularism]

Primarily for Graduates

***Religion 2001. Major Thinkers in the Study of Religion: Seminar**

Catalog Number: 0644 Enrollment: Limited to first-year doctoral students.

Members of the Committee

Half course (fall term). M., 4–6. EXAM GROUP: 9

Introduces all first-year students in the Study of Religion to methodological issues by discussing the viewpoints of several significant scholars representing diverse approaches and fields.

***Religion 2002. Major Themes in the Study of Religion: Seminar**

Catalog Number: 0803

David D. Hall (Divinity School) and members of the Committee

Half course (spring term). Hours to be arranged.

A consideration of the issue of comparison in the study of religion. Problems in comparing religious phenomena are discussed through the preparation and presentation of sample course syllabi on particular themes across diverse religious traditions.

Note: For all second-year doctoral students in the Study of Religion.

[Religion 2004. Colloquium in Theory and Method in the Study of Religion]

Catalog Number: 2927

Lawrence E. Sullivan (Divinity School) and David D. Hall (Divinity School)

Half course (spring term). Hours to be arranged.

Questions of theory arise out of and in turn inform the major categories we employ for understanding religion, culture, and society. This course uses a topics or problems strategy to engage with such questions. The topic for 2002 will be the changing construction of “knowledge.”

Note: Expected to be given in 2002–03.

[Religion 2040. Religion and Human Rights]

Catalog Number: 8115

David Little (Divinity School)

Half course (spring term). Hours to be arranged.

This course will consider the legal, historical, theoretical, and practical connections between religion and human rights. Debates over universality, particularly in relation to religious freedom and nondiscrimination, will be given special attention. Recent theoretical and empirical work, particularly in Asia, Africa, the Middle East, and Europe, will be taken up.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 2800.

[Religion 2041. Conscience and Its Freedom: Seminar]

Catalog Number: 7093

David Little (Divinity School)



Half course (spring term). Hours to be arranged.

A consideration of the meaning and significance of the concept of conscience. The seminar will examine the history of the idea in Western thought, and give some attention to its place in Islamic and other cultural settings. It will also touch on the role of conscience in contemporary human rights discourse. It will take up contemporary philosophical, theological, and legal problems associated with the term.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 2810.

[Religion 2042. Religion, Nationalism, and Peace]

Catalog Number: 7857

David Little (Divinity School)

Half course (fall term). Hours to be arranged.

This course will sample the literature on nationalism and ethnicity as it bears on conflict, with special focus on the role of religion. Specific cases will be examined, such as Sri Lanka, Sudan, Tibet, Northern Ireland, Israel and the Palestinian Authority, and Bosnia. Attention will be paid to the ingredients of peace in such situations, and how religion has and may function constructively.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 2812.

Graduate Courses in Reading and Research

[Religion 3005 (formerly Religion 2005). Doctoral Colloquium in Religion, Gender, and Culture]

Catalog Number: 8016

Leila Ahmed (Divinity School) 3308

Half course (fall term). Hours to be arranged.

Discussions will explore the critical feminist theories on religion and their significance for the emerging field of gender/ women's/ feminist studies in religion and feminist theology. This colloquium is required for Th.D. and Ph.D. candidates in Religion, Gender, and Culture in preparation for the general examinations in this concentration. Participants may also include faculty in the area and, by permission, doctoral students in other areas and masters level students interested in the Religion, Gender, and Culture doctoral program.

Note: Expected to be given in 2003–04. Offered by the Divinity School as 2690.

***Religion 3007hf (formerly Religion 2007hf). Religion and Society Colloquium**

Catalog Number: 5355 Enrollment: Limited to 15.

David Little (Divinity School) 2793 2793

Half course (throughout the year). Tu., 4–6. EXAM GROUP: 18

Topic for 2001-02: Religion and Social Theory. The seminar will feature “classical” theorists, such as Marx, Nietzsche, Durkheim, Weber, and Troeltsch. In addition, it will attend to subsequent critiques, adaptations, and reinterpretations. Special attention will be paid to the problem of “secularization,” cross-cultural comparison, the explanatory status of religion in regard to social behavior and organization, and the connection between normative and descriptive theory.

Note: A required year-long seminar for all pre-Generals doctoral students in the Religion and Society Department. Jointly offered with the Divinity School as 2697.



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 126. History of the Religion of Israel]

[Ancient Near East 127. Prophecy in Ancient Israel]

[Ancient Near East 135. Biblical Theology: Hebrew Bible]

[Ancient Near East 138. The Bible and Politics]

[*Comparative Literature 211. Mysticism and Literature: Seminar]

[Early Iranian Civilizations 102. Old Iranian Religion](#)

[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 2002–03. 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 2002–03. Offered jointly with the Divinity School as 1667b/3667b.

Prerequisite: Religion 1212a.

[Religion 1250a. Introduction to Modern Jewish Thought: From Spinoza to Heschel: Seminar](#)

Catalog Number: 0399 Enrollment: Limited to 20.

Asher D. Biemann

Half course (fall term). W., 1–3.



Beginning with Spinoza's political and hermeneutic thought, this critical survey will explore how Jewish thinkers met the social, cultural, and religious challenges of modernity and, in turn, influenced the transformation of modern Jewry. Changing and conflicting perspectives of tradition, education, culture, and religion will be in the center of our interest. A second part on modern and contemporary Jewish Thought from the aftermath of the Holocaust to the present will be offered in the spring.

Note: Jointly offered by the Divinity School as 3653.

Religion 1250b. Introduction to Modern Jewish Thought: Modern and Contemporary Jewish Thought from the Aftermath of the Holocaust to the Present: Seminar

Catalog Number: 5875 Enrollment: Limited to 20.

Asher D. Biemann

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This course will explore topics in contemporary Jewish thought from the aftermath of the Holocaust to the present.

Note: Jointly offered by the Divinity School as 3654.

Religion 1251. The History and Ideas of Jewish Nationalism and Zionism: Seminar

Catalog Number: 7719 Enrollment: Limited to 20.

Asher D. Biemann

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

This course will examine Jewish nationalism and Zionism as diverse cultural, intellectual, and political movements within the context of modern Jewish and European history. We will trace the origins of the Jewish national idea and study its many transformations during Enlightenment, Emancipation, and the rise of competing European nationalisms. Readings will mostly focus on pre-State history.

Note: Jointly offered by the Divinity School as 3655.

Religion 1252. The Enlightenment and the Jews

Catalog Number: 0634

Asher D. Biemann

Half course (spring term). Tu., Th., 10–11:30 and one hour to be arranged. EXAM GROUP: 12, 13

Modern Jewish history in Europe is largely defined by the lasting impact of the enlightenment and the consequent emancipation of the Jews. Explores the transition in European Jewish life and culture from a traditional society to a modern cultural identity. Focusing on German speaking and French Jewry, we will study the enlightenment as a European phenomenon and a phenomenon within Judaism (Haskalah). Our goal will be to understand the historical and intellectual origins of the enlightenment and its role in shaping modern Judaism.

Note: Jointly offered by the Divinity School as 3652.

Religion 1260. Midrash: Jewish Biblical Interpretation in the Rabbinic Period

Catalog Number: 2424

Jon D. Levenson (Divinity School)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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 150a. Introduction to Rabbinic Literature](#)

[Hebrew 150b. Introduction to Rabbinic Literature]

[Hebrew 153. Midrash Seminar](#)

[Hebrew 174. Political Thought: Late Antiquity through the Middle Ages](#)

[Hebrew 178. Mishnah and Tosefta](#)

[Jewish Studies 111. Modern Jewish Thought]

[Jewish Studies 121. Who is a Jew?](#)

[Jewish Studies 122. Introduction to Rabbinic Literature](#)

Greek, Hellenistic, Roman

For Undergraduates and Graduates

[Religion 1305. Emerging Topics in Greek Religion: Seminar]

Catalog Number: 5630 Enrollment: Limited to 15.

Kimberley C. Patton (Divinity School)

Half course (fall term). Hours to be arranged.

Recent research has highlighted dimensions in the religious history of Greece generally neglected in past critical trajectories: e.g., magic; talismanic and apotropaic beliefs and practices; miasma and catharsis; the use of curse tablets and binding spells; lamentation; the semiotic values of cloth, tapestry, and other women's handwork; the multifaceted role of sacred images in cult and society; social aspects of sanctuaries; dream, time, and the popular construction of evil. The seminar will offer an intensive survey of important work on these "new" topics in ancient Greece.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 3815.

Prerequisite: No language prerequisite; some background in ancient Greek religion preferred.

Cross-listed Courses

[Greek 106. Greek Tragedy](#)

[Latin 106b. Virgil: Aeneid](#)

[Literature and Arts C-14. The Concept of the Hero in Greek Civilization]

Primarily for Graduates

[Religion 2348ab. Archaeology and the World of the New Testament: Seminar]

Catalog Number: 4069 Enrollment: Limited to 12.

Helmut H. Koester (Divinity School) and David Gordon Mitten



Full course (spring term). Hours to be arranged.

The first half of the course introduces students to work with archaeological data (inscriptions, architecture, sculpture, coins). The second half consists of on-site seminars in Greece and Turkey during the month of May under the leadership of American, Greek, German, and Austrian archaeologists.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 1870.

Prerequisite: Greek and French or German; two half courses in the study of ancient Christianity and/or Greco-Roman religion, history, and archaeology.

Christian

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

François Bovon (Divinity School)

Half course (spring term). Th., 1–3, and one hour to be arranged. EXAM GROUP: 15, 16

This course will investigate the processes by which a selection of early Christian literature was constructed as scripture and canon out of the diverse forms of ancient Christianity, examine historical-critical approaches that attempt to interpret the books of the New Testament in their 1st- and 2nd- century contexts, and ask students to examine the contemporary contexts out of which they interpret New Testament literature.

Note: Offered jointly with the Divinity School as 1202.

[Religion 1414. Gospel Stories of Women]

Catalog Number: 6902

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (fall term). Hours to be arranged.

This course will introduce a critical feminist rhetorical reading of various gospel texts. Special attention will be given to the significance of social location, critical methods, and historical imagination for biblical interpretation. Discussions will focus on hermeneutical-theological questions and their consequence for contemporary religious self-understandings and ministerial praxis. Lectures, group discussions and group projects seek to foster a participatory democratic style of learning.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1503/ 2557.

Prerequisite: Religion 1415 or equivalent.

Religion 1416. Feminist Biblical Interpretation

Catalog Number: 3002

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (spring term). Hours to be arranged. EXAM GROUP: 15, 16

This course will give a basic introduction to the emerging field of feminist biblical studies by discussing different hermeneutical approaches, methods of interpretation, and theoretical



perspectives. Special attention will be given to historical interpretation and the significance of feminist hermeneutics for contemporary theological reflection and education for ministry. Lectures, group discussions, and presentations seek to foster a participatory style of learning. *Note:* Offered jointly with the Divinity School as 1504/2558.

[Religion 1419. Jesus of Nazareth and the Gospels]

Catalog Number: 9164

Helmut H. Koester (Divinity School)

Half course (fall term). Hours to be arranged.

An investigation into the Gospels of the New Testament (Matthew, Mark, Luke, John) and apocryphal early Christian Gospels (Gospel of Thomas, Dialogue of the Savior). The development of these Gospels and their traditions will be discussed as well as the “Quest for the Historical Jesus.”

Note: Expected to be given in 2002–03. Offered by the Divinity School as 1500.

[Religion 1420. History of Ancient Christianity from the Beginnings to the 4th Century]

Catalog Number: 2397

Karen L. King (Divinity School)

Half course (fall term). Hours to be arranged.

This course is designed to introduce students to the full range of the historical materials of ancient Christianity from the first to 4th centuries. Special emphasis will be given to setting out the diversity of Christian ideas and practices, the invention of orthodoxy, and the processes of Christian identity formation within the social and political context of the Roman empire.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 1260/2145.

Religion 1421. The Gospel of Luke

Catalog Number: 8662

François Bovon (Divinity School)

Half course (fall term). F., 10–12. EXAM GROUP: 3, 4

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: One year of Greek.

[Religion 1423. First Images of Christ—Earliest Christologies of the New Testament]

Catalog Number: 8983

François Bovon (Divinity School)

Half course (fall term). Hours to be arranged.

The course will discuss the earliest forms of christology and their history. Starting from the Jewish messianic expectations of the first century C.E., it will investigate the prophetic perspective of Jesus and christological concepts of the first Christian congregations.

Note: Expected to be given in 2005–06. Offered jointly with the Divinity School as 1479.

Prerequisite: Introduction to the New Testament or equivalent.



[Religion 1424. The First Epistle to the Corinthians]

Catalog Number: 1514

François Bovon (Divinity School)

Half course (spring term). Hours to be arranged.

This course will focus on Paul's historical and theological argument through a careful reading of the Greek text. An attempt will be made to reconstruct the social setting of the first Christian community in Corinth. Course may be elected as the equivalent of the fourth semester of Greek.

Note: Expected to be given in 2005–06. Offered by the Divinity School as 1521

Prerequisite: One and one-half years of Greek.

[Religion 1425. The Presence of God in the New Testament]

Catalog Number: 5275

François Bovon (Divinity School)

Half course (fall term). Hours to be arranged.

The variety and structural unity of early Christian faith as described particularly in Paul's letters, the Synoptic Gospels and the Gospel of John are considered in a historical perspective

Note: Expected to be given in 2003–04. Offered by the Divinity School as 1240.

Prerequisite: Introduction to the New Testament or the equivalent.

[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.

This course will begin by exploring the field of non-canonical gospels, particularly Greek fragments of lost Gospels, then devote a longer time to the apocryphal acts of the apostles, particularly to the *Acts of Philip*, and conclude by reading the *Apocalypse of Peter* and the *Apocalypse of Paul*. Course HDS 1874 is intended to act as a sequel to this course.

Note: Expected to be given in 2003–04. Offered jointly with Divinity School as 2130.

[Religion 1427. The Origins of Gnosticism and the Identity of Christianity]

Catalog Number: 3574

Karen L. King (Divinity School)

Half course (fall term). Hours to be arranged.

Over fifty years have passed since the discovery of the "Nag Hammadi Library" in 1945. Three years ago, publication of critical editions of the full corpus was completed. Now the task of assessing the meaning and significance of these and related materials is beginning in earnest.

This course will introduce students to critical issues concerning the identity of Christianity, including the problem of the origins and definition of "Gnosticism" (if such a thing exists), describing the diversity of ancient Christianities, defining orthodoxy and heresy, and discussing practices of syncretism and discourse of anti-syncretism. It will also introduce students to the analysis of select primary literature, including *The Gospel of Thomas*, *The Gospel of Mary*, *The Gospel of Truth*, *The Apocryphon of John*, and *The Hypostasis of the Archons*.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 1700.

Prerequisite: Introduction to the New Testament or History of Ancient Christianity, or the equivalent.



[Religion 1431. Introduction to Patristic Theology: The Cappadocians]

Catalog Number: 4279

Nicholas P. Conostas (Divinity School)

Half course (fall term). Hours to be arranged.

This course is an introduction to patristic theology through the work of Basil of Caesarea, Gregory Nazianzus, and Gregory of Nyssa. From the eastern province of Cappadocia, these fourth-century thinkers are among the most important theologians of Christian antiquity. Their major works will be studied in English translation and organized around the following themes: 1) Trinitarian theology and the ontology of personhood; 2) creation and cosmology; 3) anthropology, gender, and eschatology; and 4) asceticism and spirituality.

Note: Expected to be given in 2003–04. Offered by the Divinity School as 2581.

[Religion 1432. Theology of the Icon]

Catalog Number: 2091

Nicholas P. Conostas (Divinity School)

Half course (spring term). Hours to be arranged.

Historical and systematic introduction to the icon as both theological category and liturgical/devotional artifact through lectures, readings, slides, and museum visits. The history of the icon will be traced from Greco-Roman Egypt to the pop-icons of Andy Warhol, with special attention to medieval icons and their viewers. Theological themes include creation and incarnation, modes of presence and relation, the production of sacred space and perspective, and the role of women in the struggle against Byzantine Iconoclasm. Ancient sources range from John of Damascus, Theodore the Studite, and iconophile hagiography, to the proceedings of the Seventh Ecumenical Council. Modern theologies of the icon will also be surveyed through the work of Florensky, Evdokimov, and Lossky, along with Levinas' conceptualization of the face and Marion's distinction between the icon and the idol.

Note: Expected to be given in 2003–04. Offered by the Divinity School as 2582.

Religion 1437. History of Western Christianity, 1100-1500

Catalog Number: 5997

Kevin James Madigan (Divinity School)

Half course (spring term). M., W., at 10 and an hour to be arranged. EXAM GROUP: 3

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 at the Divinity School as HDS 2250.

[Religion 1465. Liberalism and Orthodoxy, 1600–1870]

Catalog Number: 0833

David D. Hall

Half course (fall term). Hours to be arranged.

The emergence of Unitarianism, Universalism, and Transcendental Perfectionism in the context of 17th-century Puritanism, the impact of the Enlightenment, romanticism, moral and social reform and the meaning and uses of “domesticity.”

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 2317.



[Religion 1466. Practices of Piety: Studies in the History of Devotion, Worship, and Spirituality]

Catalog Number: 1079

David D. Hall

Half course (fall term). Hours to be arranged.

Encompassing Catholic and Protestant practice from the 15th to the 18th centuries, and dealing both with European and American materials, this readings and research colloquium addresses such topics as sacraments and sacramentals, asceticism and bodily mortification, mysticism and spirit possession, confraternities and youth groups, social discipline and religious instruction.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 2388.

Religion 1470. Introduction to Ethics

Catalog Number: 2884

Arthur J. Dyck (Public Health and Divinity School)

Half course (fall term). M., 5–7 p.m. EXAM GROUP: 7, 9

An introductory analysis of the major questions of ethics regarding the identification, justification, and attainment of what is moral for individuals and communities. Readings include classical and modern texts, both philosophical and theological, and acquaint the student with contemporary modes of moral reasoning.

Note: Offered jointly with the Divinity School as 2700.

Religion 1471. Human Rights

Catalog Number: 8564

Preston N. Williams (Divinity School)

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

An examination of philosophical, theological, and political theories of human rights and their implementation by Christian churches and national governments. Emphasis will be placed upon the relation of theory to practice, the formations of action guidelines, and the ethical criteria for the evaluation of policy proposals. Case studies will be employed. Primarily constructive and comparative.

Note: Offered jointly with the Divinity School as 2740.

Religion 1472. The Ethical and Religious Thought of Martin Luther King, Jr.

Catalog Number: 8761

Preston N. Williams (Divinity School)

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

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 1475. Christian Social Ethics: Seminar

Catalog Number: 2905

Ralph B. Potter (Divinity School)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Introduction to the major alternative modes of thought and action by which Christians have



sought to express concerns for social and political issues. Stress put on the social dimension of Christian ethics with attention to the behavioral sciences and philosophy. Historical, descriptive, and normative in character.

Note: Offered jointly with the Divinity School as 2711.

Religion 1489. Contemporary Interpretations of Jesus

Catalog Number: 6437

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Beginning with the narratives of the life of Jesus in the Synoptic Gospels (Matthew, Mark, and Luke), this course covers four current efforts to reclaim his significance: 1) the new search for the “historical Jesus,” especially the Jesus Seminar and its critics; 2) emerging Asian, African, and Latin-American Christian views of Jesus; 3) recent interpretations of Jesus in such non-Christian faiths as Judaism, Islam, Buddhism, and Hinduism; and 4) images of Jesus in music, film, and literature.

Note: Offered jointly with the Divinity School as 2483.

[Religion 1490. Feminist Theology as Systematics: A Critical Survey]

Catalog Number: 3223

Sarah Coakley (Divinity School)

Half course (spring term). Hours to be arranged.

This course surveys some of the best work on feminism and Christianity to date, and analyzes its effect on the contemporary task of systematic theology. A course suitable for both those with no previous knowledge of feminist theology, and for those with a good background in this field, the early lectures give some telling examples of how feminist insights have shifted the ground of discussion in biblical exegesis, in patristics, and in medieval church history and spirituality. We shall also look briefly at the construction of ideas of “femininity” in Enlightenment philosophy and theology, which provides the historical backcloth against which a range of contemporary feminist theologies (both Christian and post-Christian) may be discussed and analyzed in later lectures.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 2436.

[Religion 1491. Themes in Christian “Spirituality”: Theories of Prayer, Self and Gender]

Catalog Number: 3824

Sarah Coakley (Divinity School)

Half course (spring term). Hours to be arranged.

“Spirituality” and “mysticism” are both relatively modern words; we shall start by peeling back some misunderstandings that may attend them. Thereafter, the course will be strongly text-based. We shall begin by comparing Jesus on “prayer” and Plato on “contemplation,” and move from there to a number of distinctive theories of “prayer,” “meditation,” and “contemplation” in the Christian tradition (both East and West), and analyze how the discussion of prayer-practice is interwoven with presumptions about the nature of the (gendered) self. We shall be especially concerned with the way the Platonic and neo-Platonic traditions have been assimilated into Christian “spirituality.”

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 2439.



Religion 1492. Introduction to Christian Theology

Catalog Number: 2161

Sarah Coakley (Divinity School)

Half course (spring term). M., W., at 11. EXAM GROUP: 4

A basic course for beginning students which will analyze different approaches to Christian theology as evident in classic, modern, and contemporary theological texts.

Note: Offered jointly with the Divinity School as 2401.

Religion 1493. Contemporary Roman Catholic Theology

Catalog Number: 6926

Francis Fiorenza (Divinity School)

Half course (spring term). Tu., 1–3 and one hour to be arranged. EXAM GROUP: 15, 16

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: Offered jointly with the Divinity School as 2479.

[Religion 1494. Feminist Theory and Theology: Seminar]

Catalog Number: 1430 Enrollment: Limited to 12.

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (spring term). Hours to be arranged.

The seminar explores the intersections of feminist theory with feminist theologies and gender studies in religion. This semester's discussions will focus on feminist *political* theories and their implications for the articulation of a critical feminist political theology and spirituality.

Note: Expected to be given in 2003–04. Offered by the Divinity School as 2689

Cross-listed Courses

[History of Science 107. History of Medieval Science]

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). Hours to be arranged.

This seminar, led jointly by François Bovon and John Duffy of the FAS Classics Department, will explore the several step preparation of a scholarly text edition. The introductory sessions will 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 will be devoted to a hands-on exercise in editing and translating one or more short Greek Christian texts, particularly apocryphal texts. Intended as a sequel to Rel. 1426/HDS 1270.

Note: Expected to be given in 2003–04. Offered by Divinity School as 1874.



Prerequisite: Religion 1426, HDS 1270, 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

Half course (spring 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 seminar, using primary materials and the major historiography.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 2270.

Religion 2479. Advanced Seminar In Pentecostalism: Current Issues

Catalog Number: 6674

Harvey G. Cox, Jr. (Divinity School)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Readings in current theology by and about Pentecostalism, focused especially on its rapid growth in the non-western world. The seminar will include participant observation in some immigrant congregations. Reading knowledge of Spanish, Portuguese or Korean recommended, but not required.

Note: Religion 2479 will be offered by the Divinity School as 2500.

Prerequisite: Some previous work in Pentecostalism.

[Religion 2490. Philosophy, “Religious Experience,” and Feminist Critique: Conference Course]

Catalog Number: 5297 Enrollment: Limited to 30.

Sarah Coakley (Divinity School)

Half course (fall term). Hours to be arranged.

This course will examine the notion of “religious experience” as it has been constructed and utilized in different schools of 20th-century philosophy of religion, and then subject the notion to feminist analysis. We shall ask to what philosophical purposes “religious experience” has been put: as a justificatory tool in evidential arguments for theism, as an organizing concept for certain intense psychological states, or as a means for counting theistic belief as “properly basic.” We shall also consider philosophical reasons for being suspicious of evidential appeals to discrete “religious experiences.” Drawing on recent work in feminist epistemology, as well as a number of test cases from the history of “female mysticism,” we shall expose the gender dimensions of these various philosophical accounts of intimacy with the divine.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 2647.

Prerequisite: Graduate work in philosophy and theology.

Religion 2492. Christology: Ancient, Modern, and Contemporary: Seminar

Catalog Number: 8450 Enrollment: Limited to 12.

Sarah Coakley (Divinity School)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This seminar will offer: an examination of formative christological developments in the patristic period, focusing on interpretational problems with the *Definition of Chalcedon* (451); an analysis



of the fate of Antiochene/Alexandrian emphases in christology including a discussion of various understandings of “communications of idiom” in Greek, Scholastic, and Protestant thought; consideration of post-Enlightenment and contemporary assessments of Chalcedonianism including recent feminist and liberationist reappraisals.

Note: Offered jointly with the Divinity School as 2643.

Prerequisite: Graduate work in theology or philosophy.

Cross-listed Courses

[*History of Science 207r. Medieval Science: Seminar](#)

[\[*History of Science 295r. Critical History: Writing Between Humans and Non-Humans\]](#)

[History of Science 297r. Topics in the History of Medieval Latin Science](#)

Graduate Courses of Reading and Research

***Religion 3420hf. Seminar for Advanced New Testament Students**

Catalog Number: 6026

François Bovon (Divinity School) 3551

Half course (throughout the year). Alternate W., 3–5.

Topic for 2001-02: The seminar will examine the interpretation through the centuries of key passages of the Gospel of Luke and of other New Testament texts. It will focus on the exegesis of such theologians as Origen, Augustine, Albert the Great, Calvin, and modern authors. It will appreciate the rise of the historical method as well as the relation between a critical and a theological exegesis.

Note: Seminar for ThM, ThD, and PhD candidates, and qualified MTS and MDiv students.

Required for ThM candidates in the field and for ThD and PhD candidates until the term following successful completion of general exams. Jointly offered with the Divinity School as 1980.

***Religion 3490hf (formerly *Religion 3490). Colloquium in Theology**

Catalog Number: 6295

David Lamberth (Divinity School) 3714 and the members of the Faculty

Half course (throughout the year). W., 3–5. EXAM GROUP: Fall: 8, 9

In the fall the weekly colloquium will focus on the thought of William James. In the spring bi-weekly meetings will be used to discuss the work in progress of doctoral candidates writing dissertations, faculty, and occasionally invited guests.

Note: This colloquium is a central vehicle of doctoral education in theology, and is composed of all faculty members, doctoral candidates and ThM students in the Theology Department.

(Doctoral students in related fields should consult with the department chair concerning participation.) Central figures and recurrent issues in theology and philosophy of religion are considered. Participation in the colloquium is required of all theology doctoral candidates (including affiliated doctoral candidates) while in residence, with the exception of the semester in which they write General Examinations. Requirements for written work may differ for pre- and post-Generals students. Jointly offered with the Divinity School as 2696.

Modern Western



For Undergraduates and Graduates

[Religion 1500. “Losing my Religion”: Religious Experience in the Modern West]

Catalog Number: 4269

Kimerer LaMothe

Half course (spring term). Hours to be arranged.

Why religion? Why does religion persist in contemporary western civilization where what counts as “truth” and “knowledge” is largely determined by scientific rationality? This course reads classic texts in modern western theology and philosophy written by Christian and Jewish authors in response to the question: what is religious experience and what does it offer human life? Responses considered range from “nothing,” mere illusion, and patriarchal oppression, to prophetic insight, healing power, existential meaning, indescribable passion and infinite love. Readings may include: Kierkegaard, Marx, Freud, M.B. Eddy, Buber, Tillich, Daly, Levinas, and Kristeva.

Note: Expected to be given in 2002–03.

Religion 1502. Freedom and the Navigation of Desire

Catalog Number: 7987

Courtney Bickel Lamberth

Half course (fall term). M., W., at 11. EXAM GROUP: 4

This course considers western conceptions of the human using the categories of freedom and desire to approach landmark texts in the Christian tradition. A central focus of the course will be descriptions of the often embattled dimensions of the relationship between the body, human agency, and divine grace. Authors may include: Plato, Paul, Augustine, Aquinas, Luther, Teresa of Avila, Kant, Hegel, Foucault, Bynum, Ruether, Irigaray, and Girard.

Note: Jointly offered with the Divinity School as 2462.

Religion 1504. 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 in relation, especially to gender; 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 1508. New Approaches to American Religious History: Seminar]

Catalog Number: 8669 Enrollment: Limited to 20.

Half course (spring term). Hours to be arranged.

Recent scholarship in the field will form the basis for this seminar considering new narrative strategies, interpretive departures, and current research methods in American Religious History. Students will compare new works with relevant precursors.

Note: Expected to be given in 2003–04. Jointly offered with the Divinity School as 2323.



[Religion 1509. Divining Imagination: Seminar]

Catalog Number: 7918

Courtney Bickel Lamberth

Half course (fall term). Hours to be arranged.

With the early Romantics, the human imagination emerges as a locus for divine revelation and religious encounter. The poet especially becomes a prime agent of religious discovery and innovation. This course considers key conceptions of the imagination in relation to divine and human creativity and artistic genius. Authors may include: Novalis, Schelling, Wordsworth, Coleridge, Emerson, Goethe, Schleiermacher, and Kant.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 2463.

Religion 1513. Harvard: Five Centuries and Eight Presidents

Catalog Number: 1233 Enrollment: Limited to 100.

Peter J. Gomes (Divinity School)

Half course (spring term). W., F., at 11 and one 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 will be 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.

Religion 1514. Interpretations in American Religious History: An Introduction to the Historical Literature: Colloquium

Catalog Number: 6685

David D. Hall (Divinity School)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

An introduction to changing interpretations of American religious history, from Tocqueville to the present. Attention to sociological and anthropological perspectives, as well as those arising within church history and the history of theology.

Note: Offered by the Divinity School as 2392.

[Religion 1515. Religion and Culture in 19th-Century America and Europe: Seminar]

Catalog Number: 4488 Enrollment: Limited to 20.

David D. Hall

Half course (fall term). Hours to be arranged.

Encompassing the “Victorian” period (c.1830–1890) and such themes or ideas as: liberalism (*laissez faire*) and its critics; the idea of culture; medievalism, agnosticism, and the renewal of orthodoxy; the origins of the social sciences; and the social history of intellectuals. Materials drawn from British and American sources.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 2320.

[Religion 1520. Introduction to Hermeneutics and Theology]

Catalog Number: 6184

Francis Fiorenza (Divinity School)

Half course (fall term). Hours to be arranged.



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 2002–03. Offered jointly with the Divinity School as 2410.

[Religion 1525. Radical Movements in Modern America]

Catalog Number: 3935

David D. Hall

Half course (spring term). Hours to be arranged.

A survey and close analysis of radical movements in 20th-century America, with particular attention to the problem of means and ends as it has been posed within the Old Left (Socialist and Communist) and the New (Students for a Democratic Society), within movements to confront war and racism (pacifism, nonviolence, and SNCC), and within anarchist and Christian perfectionist communities (e.g., the Catholic Workers).

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 2302.

Religion 1526. Religion in America from c. 1865 to the 1970s

Catalog Number: 8025

Robert A. Orsi (Divinity)

Half course (fall term). M., W., at 9 and one hour to be arranged. EXAM GROUP: 2

A survey of the history of American religions from the end of the Civil War to the 1970s. Topics include the religious worlds of immigrants and migrants (including the “new immigrations” of the mid-1960s); religion and race; the emergence of new religious idioms (such as Pentecostalism) and the reformulation of more established traditions in response to the challenges and conditions of modern culture (e.g., the changing intellectual landscape of American Catholicism in the 1960s), religious constructions of important social and moral issues (e.g., abortion and workers’ rights), the religious response to urbanization and suburbanization, and religion and gender.

Note: Jointly offered by the Divinity School as 2304.

[Religion 1528. Globalization and Human Values: Envisioning World Community]

Catalog Number: 4705

Brian C. W. Palmer

Half course (fall term). Hours to be arranged.

Are we witnessing the emergence of a world community? How and by whom are pan-human solidarities imagined, symbolized, and contested? In this course, we look for the seedlings of a global civil religion in such practices as war-crimes tribunals, U.N. women’s conferences, human-rights declarations, Doctors Without Borders, interreligious dialogues, CNN broadcasts, Internet forums, McDonaldization, and Hollywood myth-making. The course draws upon ethnographic and cinematic accounts—as well as in-class interviews with relevant experts—to understand the history of worldwide convergences, the rites and identities of today’s global citizens, and the possibilities for utopian or dystopian futures.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 3332.



Religion 1529. Personal Choice and Global Transformation

Catalog Number: 2866

Brian C. W. Palmer

Half course (fall term). M., W., at 3 and a discussion hour to be arranged. EXAM GROUP: 8

This is a course for students seeking to have an impact as ethically serious global citizens. How do personal choices about consumption, careers and child-rearing affect a wider world? Has globalization created new contexts for humanitarian service and political engagement? What does it mean to live deliberately, to forge a conscientious religious or secular lifestyle? What guidance and what warnings do religious communities offer to the would-be world-shaker? The course draws upon practical case studies to explore the collective consequences of individual decisions. What are the possibilities for women and men to “make a difference”?

Note: Lectures are supplemented by films, biographical explorations, and in-class interviews with relevant experts. Jointly offered with the Divinity School as 3333.

Religion 1530r. Religious Values and Cultural Conflict: Seminar

Catalog Number: 6858 Enrollment: Limited to 15.

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

By reading a number of recent novels and reflecting on both their content and their sometimes controversial reception this course will examine how conflicting theological, cultural, and ethical values find expression. The works considered are *Charming Billy* by Alice McDermott, *The God of Small Things* by Arundhati Roy, *The Beauty of the Lilies* by John Updike, *Children of Men* by P.D. James, *Satanic Verses* by Salman Rushdie, *Left Behind* by Tim LaHaye and Jerry B. Jenkins, *Jazz* by Toni Morrison, and *Lying Awake* by Mark Salzman.

Note: Offered jointly with the Divinity School as 2504.

Religion 1531. Christianity and Democracy

Catalog Number: 9071

Elisabeth Schüssler Fiorenza (Divinity School), Ronald Thiemann (Divinity School), and Cornel West

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

An examination of the interaction between Christianity and modern political democracies and political theories. The course will cover topics such as: the separation of church and state; the relation of democratic government to the market economy; the struggle for democracy in the face of nationalism and racism; the struggle for women’s rights; the role of social movements in democratic reform; and the spirituality of radical democracy. This course will also examine the tensions inherent in the relation between Christianity and democracy and will seek new visions for the theory and practice of both.

Note: Offered jointly with the Divinity School as 2539.

Religion 1535. Theology and Power: Seminar

Catalog Number: 8857 Enrollment: Limited to 12.

Francis Fiorenza (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

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: Offered by the Divinity School as 2633.

[Religion 1536. Theology and Culture]

Catalog Number: 1908 Enrollment: Limited to 30.

Francis Fiorenza (Divinity School)

Half course (spring term). Hours to be arranged.

This course will discuss the various modern theological interpretations of the relation between religion and culture in general and Christianity and culture in particular. The lectures and discussion will deal with the following authors: Weber, Troeltsch, Niebuhr, Barth, Tillich, Bellah, Berger, Habermas, Moltmann, Metz, Segundo, West.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 2630.

[Religion 1539. Nietzsche and Religion]

Catalog Number: 8102 Enrollment: Limited.

Kimerer LaMothe

Half course (fall term). Hours to be arranged.

How are we to understand the cry of Nietzsche's madman: "God is dead. God remains dead. And we have killed him"? This course conducts close readings of Nietzsche's texts with an eye to understanding his critique of religion—Christianity in particular—and the relationship of this critique to other ideas within his work, including his notions of eternal recurrence, the will to power, the affirmation of life, and the transvaluation of all values. This course will allow students to interrogate popular interpretations of Nietzsche as a nihilist, misogynist, relativist elitist, and decide for themselves why he has proved such a compelling and provocative voice in western culture since his death in 1900.

Note: Expected to be given in 2002–03.

Prerequisite: Coursework in philosophy or theology.

[Religion 1541. Kant and Kierkegaard]

Catalog Number: 7694 Enrollment: Limited to 12.

David Lamberth (Divinity School)

Half course (fall term). Hours to be arranged.

A close reading of selected major works of Kant and Kierkegaard. The seminar will focus on issues such as the nature and limits of reason, the concepts of freedom and morality, and the relationship between reason and faith.

Note: Expected to be given in 2003–04. Offered by the Divinity School as 2670.

[Religion 1543. Modern Theology I: Modern Theology and the Critique of Religion]

Catalog Number: 6386

David Lamberth (Divinity School)

Half course (fall term). Hours to be arranged.

In this course we will consider the formative development of modern theology (primarily continental) in the context of the principal philosophical and social critiques of religion in the 19th century. Topics will include human nature and society, the developing understanding of



religion, the relationship of humanity to the divine, the possibility and character of religious knowledge, and the impact of developing understandings of the social, of history, and of historicity. Authors considered may include Kant, Schleiermacher, Hegel, Feuerbach, Marx, Kierkegaard, Nietzsche, Harnack, Troeltsch, and Rauschenbusch.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 2431.

Prerequisite: Previous work in Theology or Philosophy.

[Religion 1547. Modern Theology II: Modern Theology and the Ends of Modernity]

Catalog Number: 7008

David Lamberth (Divinity School)

Half course (spring term). Hours to be arranged.

A thematic continuation of 1543, this course will consider developments within 20th century modern theology, focusing in particular on the internalization and development of forms of critique that were principally external to theology and religion in the 19th century. Beginning with the socially critical developments in kerygmatic theology, we will analyze and trace the influence of critical thought within theology through the 20th century, paying particular attention in the second half of the course to the emergence of feminist and black liberation theologies in the United States. In the final weeks we will evaluate selected developments in postmodern thought in light of this tradition of theological reflection.

Note: Expected to be given in 2003–04. Offered by the Divinity School as 2433.

Prerequisite: 2431 or the equivalent.

[Religion 1548. Religion and the Performing Arts: The Case of American Modern Dance: Seminar]

Catalog Number: 3603 Enrollment: Limited to 15. Preference given to concentrators.

Kimerer LaMothe

Half course (fall term). Hours to be arranged.

Can categories of religious studies—such as ritual, practice, play, performance—help us understand the impact of contemporary performing arts on artists and audiences alike? What is the relationship between religion and art? Between the sacred and the beautiful? Beginning with an exploration of some theoretical perspectives on religion and the performing arts (e.g., Nietzsche, Kandinsky, Artaud; the Turners, Schechner, Blacking, and Hanna), this seminar will examine the case of American modern dance. We will examine claims made for dance by artists, critics, and scholars alike, and assess the usefulness of religious studies in explaining the power of nonverbal aesthetic experience.

Note: Expected to be given in 2002–03. Field trips dependent on local concert schedules. Offered jointly with the Divinity School as 2445.

Prerequisite: One course in the modern West.

[Religion 1549. Religion and Art in the Twentieth Century]

Catalog Number: 6267 Enrollment: Limited.

Kimerer LaMothe

Half course (fall term). Hours to be arranged.

How are religion and art related—or are they? This course investigates conceptions of the relationship between religion and art proposed by twentieth-century philosophers, artists, and scholars of religion. This course focuses on how conceptions of this relationship evolve in the



context of the shift from a modern to a postmodern condition, in particular as played out in the visual and performing arts. While this course is primarily a study of ideas about religion and art, examples of the art and religion in question will be incorporated into class discussions. Readings may include works by: Adorno, van der Leeuw, Heidegger, Langer, Artaud, Graham, Benjamin, Beaudrillard, Kristeva, Mark C. Taylor, and others.

Note: Expected to be given in 2002–03.

Prerequisite: Coursework in theory, cultural studies, religious studies, philosophy, or art history.

Cross-listed Courses

Primarily for Graduates

Religion 2501. The Religious History of American Women: Seminar

Catalog Number: 6508 Enrollment: Limited to 16.

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Focuses on the relationship between concepts of piety and concepts of femininity in the development of American culture. Assesses both the role of gender in shaping American religious history and the impact of religion on gender norms. Women's experience will be explored in Protestant, Catholic, and Jewish, and North American groups, as well as among theologically and institutionally innovative groups such as in Shakerism and Christian Science.

Note: Offered by the Divinity School as 2325.

Prerequisite: Some previous work in American religious history.

Religion 2515. Church and World: A Theological and Political Assessment: Seminar

Catalog Number: 9233

J. Bryan Hehir (Divinity School)

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

This seminar will analyze in ecumenical perspective the relationship of the church to the world in its biblical, theological and moral dimensions. Theological perspectives drawn from classical sources (Augustine, Aquinas, Luther, Calvin) and contemporary theologians (Congar, Rahner, R. Niebuhr, Hauerwas) will be considered in light of the historical-theological perspective of Troeltsch's *Social Teaching of the Christian Churches* and in light of literature from political and social science.

Note: Offered by the Divinity School as 2857.

[Religion 2540. Circumscribing a Discipline: Theology and the Philosophy of Religion: Seminar]

Catalog Number: 4141 Enrollment: Limited to 12.

David Lamberth (Divinity School)

Half course (spring term). Hours to be arranged.

In the contemporary academy, philosophy of religion is regularly treated as a separate enterprise from theological study. This seminar will be concerned with two central questions, one genealogical and the other critical and conceptual: 1) What are the conditions (conceptual, academic, historical) under which the philosophy of religion emerged as its own field in the development of Western thought? and 2) To what extent is it justifiable and valuable from



theological or philosophical perspectives to consider the philosophy of religion as separate from theology (and vice versa)? Readings will include pivotal primary texts as well as historical treatments, and will consider both European and American developments. Seminar participants will be expected to conduct primary research on some aspect of the seminar topic, and to present their work to the seminar at the end of the term.

Note: Expected to be given in 2003–04. Offered by the Divinity School as 2672.

Prerequisite: Advanced work in the theology or philosophy of religion.

Religion 2545. Religion and Social Theory: Seminar

Catalog Number: 2728

David Little (Divinity School)

Half course (spring term). Th., 9–11. EXAM GROUP: 11, 12

The special focus of this course will be the writings of Max Weber together with the reactions of his critics and defenders. Relevance to current topics of concern, such as “secularization,” “religious nationalism,” and “cultural relativism” will be examined. Some attention will be devoted to the “theoretical reference points” of these thinkers, such as Marx, Nietzsche, and Dilthey.

Note: Offered by the Divinity School as 2813.

Religion 2550. Women and Religion in Contemporary America: Seminar

Catalog Number: 8927 Enrollment: Limited.

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Post World War II America has witnessed dramatic changes in the roles and experience of women, as well as significant shifts in the role of religion in shaping public values, personal identity, and group affiliations. This course will examine the points of intersection between these two fundamental shifts in American social life across a spectrum of religious communities. We will survey responses to the changing roles of women both among groups that have embraced feminism and among those that view feminism as antithetical to religious values. We will explore debates and concerns leading to the ordination of women, the revision of prayer books, liturgies, language and policies, as well as debates and initiatives leading to the reassertion of traditional gender roles or to new models of family based on male headship.

Note: Offered by the Divinity School as 2328.

Graduate Courses of Reading and Research

***Religion 3505hf. Colloquium in American Religious History**

Catalog Number: 6445 Enrollment: Limited to 25.

David D. Hall 2510 and William R. Hutchison (Divinity School) 4061 (on leave fall term)

Half course (throughout the year). Alternate Tu., 7:30–9:30 p.m.

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.

Islamic



For Undergraduates and Graduates

Religion 1551. For the Love of God and His Prophet: Literary and Artistic Expressions of Muslim Devotional Life: Seminar

Catalog Number: 0110 Enrollment: Limited to 20.

Ali S. Asani

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Designed as an introduction to Islam, this course focuses on literature and the arts (poetry, calligraphy, dance, music, drama, and architecture) as expressions of Muslim devotion, as well as their role in worship and liturgy. Course material drawn from several regions beyond the Middle East, particularly sub-Saharan Africa and South and Southeast Asia.

Note: Expected to be omitted in 2002–03. Offered jointly with the Divinity School as 3887.

[Religion 1555. Introduction to Islamic Mysticism: The Sufi Tradition]

Catalog Number: 3830 Enrollment: Limited to 20.

Ali S. Asani

Half course (fall term). Hours to be arranged.

Introductory survey of Sufism, focusing on its fundamental concepts, ritual practices, institutions, and its impact on literary and sociopolitical life in different regions of the Islamic world.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 3620.

Prerequisite: An introduction course in Islam or equivalent helpful but not essential.

***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. EXAM GROUP: 17, 18

A survey of Islamic civilization in the Indian subcontinent focusing on an exploration of Islamic 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” 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 1590. Issues in Feminism and Islam: A Historical Overview]

Catalog Number: 9891

Leila Ahmed (Divinity School)

Half course (fall term). Hours to be arranged.

This course will explore some of the major issues and debates in relation to feminism and women in Islam in historical overview from a post-colonial perspective. Thus, as we explore these issues and debates, we will also be examining the methods, tools and assumptions forming the grounds of our studies, including in particular issues of Orientalism, colonialism and feminism in the construction of the religions/cultures of Others. Subsequent topics include an examination of some contemporary feminist readings of early Islam and exploration of women in



Sufism and lived religion.

Note: Expected to be given in 2003–04. Offered by the Divinity School as 2562/3604.

Cross-listed Courses

[Arabic 140. The Qur'an](#)

[Arabic 141. Introduction to the Hadith]

[Arabic 250r. Arabic Theological Texts: Seminar](#)

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

[History 1889. Transmission of Traditional Islamic Learning in the Middle East from the Beginning of Islam to the Present]

[Islamic Civilizations 145. Islamic Philosophy and Theology](#)

[*Islamic Civilizations 200a. Approaches to Middle Eastern Studies: Proseminar](#)

[*Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian Islam](#)

Hindu

For Undergraduates and Graduates

[Religion 1650. Modern Hindu Movements: Seminar]

Catalog Number: 5120

Diana L. Eck

Half course (fall term). Hours to be arranged.

Readings in nineteenth and twentieth century Hindu movements, investigating the many types of teachers, writings, and movements that have come to comprise modern “Hinduism.”

Consideration of such thinkers, teachers, and activists as Ram Mohan Roy, Vivekananda, Gandhi, Sarvarkar, Radhakrishnan, and more recent movements such as the Chinmaya Mission and the Vishva Hindu Parishad. A consideration of post-colonial perspectives on the emergence of modern Hinduism.

Note: Expected to be given in 2002–03. Jointly offered by the Divinity School as 3877.

Cross-listed Courses

[Foreign Cultures 12. Sources of Indian Civilization]

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage](#)

Cross-listed Courses

[Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar]

For Graduates

***Religion 3601. Seminar: Readings in Hindu Myth, Image, and Pilgrimage**

Catalog Number: 3998

Diana L. Eck 4514 (on leave fall term)



Half course (spring term). Hours to be arranged.

Intensive reading and research on specific topics in Hindu mythology, image and iconography, temples and temple towns, sacred geography and pilgrimage patterns.

Note: Offered by the Divinity School 3869.

Buddhist

For Undergraduates and Graduates

Religion 1700. Introduction to Buddhism

Catalog Number: 3486

Karen Anne Derris

Half course (spring term). Tu., Th., at 10 and one hour to be arranged. EXAM GROUP: 12

This course will consider the variety of ways that Buddhists have defined, and engaged with the “three jewels” of Buddhism: the Buddha, the Dharma (the teaching), and the Sangha (the Buddhist community). Using this framework we will examine doctrine, practice, and culture in different parts of the Buddhist world in a variety of historical periods and consider the many ways people have lived and continue to live as Buddhists.

Note: Offered jointly with the Divinity School as 3231.

Religion 1708. Issues in Buddhist Philosophy

Catalog Number: 8754 Enrollment: Limited to 20.

Janet Gyatso (Divinity School)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A critical examination of key issues in Indian Mahayana Buddhist philosophy. Readings in Madhyamika, Yogacara, and epistemological traditions. The class will also consider two later Asian appropriations of Indic philosophical concepts: a set of Tibetan writings on special forms of memory; and a modern Japanese attempt to write a philosophy of the body, which draws together meditation theory with Japanese artistic practices and key notions from western continental thinkers.

Note: Offered by the Divinity School as HDS 3889.

Prerequisite: Some knowledge of Buddhist traditions is preferable.

Religion 1710. Buddhist Ethics: Seminar

Catalog Number: 8878

Janet Gyatso (Divinity School)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An exploration of selected classic doctrinal texts and contemporary literary and autobiographical writings from several Buddhist traditions. In each instance the task will be to discern the bases of key ethical principles, with particular attention to the definition of the self, the grounds for human relationships, and the question of why one cares for others. Some works of contemporary western philosophical ethics will also be read in order to elaborate further distinctions and to consider the relevance of the Buddhist material for contemporary ethical issues.

Note: Offered by the Divinity School as 3888.



Religion 1712. Readings in Tibetan: Medical and Monastic Writings

Catalog Number: 8995

Janet Gyatso (Divinity School)

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

A close reading of sections of the root Tibetan medical text and early commentaries that pertain to the relation of sex to gender and other issues about bodily practice and function. This will be followed by the study of monastic writings with comparable or contrasting concerns as found in Tibetan commentaries on the Vinaya from the same period.

Note: Offered by the Divinity School as 3567.

Prerequisite: Some reading knowledge of classical Tibetan required.

[Religion 1724. The Genre of Biographical Narrative in Buddhist South and Southeast Asia: Seminar]

Catalog Number: 2219 Enrollment: Limited to 15. Preference to undergraduate concentrators.

Karen Anne Derris

Half course (fall term). Hours to be arranged.

The genre of biographical narrative is central to the ritual, didactic, and ethical life of Buddhists. These compelling stories offer their audiences—both historical and present day readers—critical resources for understanding and interpreting the Buddhist world. This seminar will consist of a close reading of a broad range of biographical literature from South and Southeast Asia, including biographies of the Buddha and bodhisattvas, of monks, nuns, laity, even biographies of images and relics. How do the representations of life stories figure in conceptions of ethical and historical ideals? What is the relationship between the biographical genre and Buddhist notions of history as exemplified in Buddhist chronicles? How have the responses of diverse readers of these texts shaped their sense of self and their relationships to others?

Note: Expected to be given in 2002–03.

Prerequisite: Prior coursework in Buddhist studies recommended.

[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.

A survey of Buddhist social teachings, this course 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. Representative figures and movements in the rise of socially engaged Buddhism since the 19th century will be considered.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 3853.

Prerequisite: Previous study of Buddhism desirable.

Religion 1726. Buddhism in America: Seminar

Catalog Number: 4292 Enrollment: Limited to 15.

Christopher S. Queen

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

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. Knowledge of Asian Buddhism is desirable. Offered jointly with the Divinity School as 3851.

Primarily for Graduates

Religion 2705. Buddhist Monastic Law

Catalog Number: 9379

Janet Gyatso (Divinity School)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A close look at Buddhist monastic law, discipline, and community, based on Vinaya texts and social history. Ability to work in some primary Asian language or Christian source (for purposes of comparison) is required.

Note: Offered by the Divinity School as HDS 3891.

Cross-Listed Courses

[*East Asian Buddhist Studies 114. The Mahâyâna in East Asia: Bodhisattvas and Their Cults in Medieval and Early Modern East Asian Buddhism]

[*East Asian Buddhist Studies 115. Buddhist Meditation Traditions]

East Asian Buddhist Studies 116a. Buddhism in East Asia: I-VII Century

East Asian Buddhist Studies 116b. Buddhism in East Asia: VIII-XVI Century

East Asian Buddhist Studies 210r. Topics in East Asian Buddhism

[East Asian Buddhist Studies 212. Later Huayan Buddhism]

East Asian Buddhist Studies 214. Buddhism Under the Liao

[Tibetan 108 (formerly Tibetan 106). Buddhism in Tibet: Traditional Learning and the Experience of Enlightenment]

Chinese and Japanese

Cross-listed Courses

[Chinese History 240r (formerly Chinese History 240). Readings in Chinese Intellectual History]

Chinese History 251. Confucian Ethics: Conference Course

[Chinese Literature 208. Readings in Buddhist *Bianwen* and Related Dunhuang Materials]

Historical Study A-13. China: Traditions and Transformations

Historical Study A-14. Japan: Tradition and Transformation

Japanese History 116a. History of Japanese Religions: Conference Course

Japanese History 116b. History of Japanese Religions: Conference Course

[Moral Reasoning 40. Confucian Humanism: Self-Cultivation and Moral Community]

Graduate Courses of Reading and Research



***Religion 3000. Direction of Doctoral Dissertations**

Catalog Number: 1933

Ali S. Asani 7739, François Bovon (Divinity School) 3551, John B. Carman (Divinity School) 1284, Sarah Coakley (Divinity School) 1873, Harvey G. Cox, Jr. (Divinity School) 3479, Arthur J. Dyck (Public Health and Divinity School) 1670, Diana L. Eck 4514 (on leave fall term), James Engell 8076, Francis Fiorenza (Divinity School) 2735, Robert M. Gimello 9240, William A. Graham, Jr. 4156, David D. Hall (Divinity School) 2510, Paul D. Hanson (Divinity School) 1394, Jay M. Harris 2266, J. Bryan Hehir (Divinity School) 2145, Albert Henrichs 4085, William R. Hutchison (Divinity School) 4061, Helmut H. Koester (Divinity School) 3477, James L. Kugel 7575, David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812 (on leave spring term), Francisco Márquez 5064, Everett I. Mendelsohn 2700, David Gordon Mitten 1290, Roy Mottahedeh 1454, Richard R. Niebuhr (Divinity School) 2183, Tomás Ó Cathasaigh 1224, Ralph B. Potter (Divinity School) 1046, Hilary Putnam 2838, Elisabeth Schüssler Fiorenza (Divinity School) 3193, P. Oktor Skjaervo 2869, Lawrence E. Sullivan (Divinity School) 2653, Stanley J. Tambiah 4692, Ronald Thiemann (Divinity School) 3395, Wei-Ming Tu 7233, and Leonard W. J. van der Kuip 1556

Half course (fall term; repeated spring term). Fall: M., W., 7:30–9:30.

Note: and others authorized by the Chair.

***Religion 3001. Reading and Research**

Catalog Number: 7954

Ellen Aitken (Divinity School) 2513, Ali S. Asani 7739, Asher D. Biemann 3966, François Bovon (Divinity School) 3551, Harvey G. Cox, Jr. (Divinity School) 3479, Arthur J. Dyck (Public Health and Divinity School) 1670, Diana L. Eck 4514 (on leave fall term), James Engell 8076, Francis Fiorenza (Divinity School) 2735, Robert M. Gimello 9240, William A. Graham, Jr. 4156, Janet Gyatso (Divinity School) 4243 (on leave fall term), David D. Hall (Divinity School) 2510, Paul D. Hanson (Divinity School) 1394, Jay M. Harris 2266, Albert Henrichs 4085, William R. Hutchison (Divinity School) 4061, Karen L. King (Divinity School) 4217 (fall term only), Helmut H. Koester (Divinity School) 3477, James L. Kugel 7575, David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, David Little (Divinity School) 2793, Peter Machinist 2812 (on leave spring term), Francisco Márquez 5064, Everett I. Mendelsohn 2700, David Gordon Mitten 1290, Roy Mottahedeh 1454, Richard R. Niebuhr (Divinity School) 2183, Kimberley C. Patton (Divinity School) 3306, Ralph B. Potter (Divinity School) 1046, Hilary Putnam 2838, Elisabeth Schüssler Fiorenza (Divinity School) 3193, Lawrence E. Sullivan (Divinity School) 2653, Stanley J. Tambiah 4692, Ronald Thiemann (Divinity School) 3395, Wei-Ming Tu 7233, Cornel West 1212, and Preston N. Williams (Divinity School) 3153

Note: and others authorized by the Chair.

***Religion 3002. Foreign Language Certification**

Catalog Number: 4791

Members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Reading and research conducted in a specific foreign language, normally French or German, to satisfy the modern language reading proficiency requirement for Ph.D. students in the Study of Religion.



Note: Limited to Ph.D. candidates who receive written permission from the Committee's Director of Ph.D. Studies.

Romance Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Romance Languages and Literatures

Christie McDonald, Smith Professor of French Language and Literature (*Chair*)

Janet Beizer, Professor of Romance Languages and Literature

Laura Benedetti, John L. Loeb Associate Professor of the Humanities (*on leave 2002-03*)

Pietro Boitani, Lauro de Bosis Lecturer on the History of Italian Civilization (*fall term only*)

Kevin Brownlee, Visiting Professor of Romance Languages and Literatures (*University of Pennsylvania*)

Marie-France Bunting, Senior Preceptor in Romance Languages and Literatures (*Undergraduate Adviser in French*)

Luis E. Cárcamo-Huechante, Assistant Professor of Romance Languages and Literatures

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature (*Undergraduate Adviser in Portuguese and Director of Graduate Studies in Portuguese*)

Tom Conley, Professor of Romance Languages and Literatures

Verena A. Conley, Visiting Professor of Literature

Elvira G. DiFabio, Senior Preceptor in Romance Languages and Literatures (*Undergraduate Adviser in Italian*)

Samba Diop, Assistant Professor of Romance Languages and Literatures

Alexia Elisabeth Duc, Assistant Professor of Romance Languages and Literatures

Bradley S. Epps, Professor of Romance Languages and Literatures (*Director of Undergraduate Studies and Undergraduate Adviser in Romance Studies*)

Luis Fernández-Cifuentes, Robert S. and Ilse Friend Professor of Romance Languages and Literatures (*on leave 2001-02*)

Franco Fido, Carl A. Pescosolido Professor of Romance Languages and Literatures (*Director of Graduate Studies in Italian*)

Judith Frommer, Professor of the Practice of Romance Languages (*Director of the Language Programs in Romance Languages*)

Mary Gaylord, Sosland Family Professor of Romance Languages and Literatures (*Director of Graduate Studies in Spanish*)

Luis M. Girón Negrón, Assistant Professor of Comparative Literature and Romance Languages and Literatures (*on leave spring term*)

Margo Glantz, Visiting Professor of Romance Languages and Literatures



Virginie Greene, Assistant Professor of Romance Languages and Literatures and of History and Literature ()

Ernesto E. Guerra, Preceptor in Romance Languages and Literatures

Nina C. de W. Ingrao, Senior Preceptor in Romance Languages and Literatures

Alice Jardine, Professor of Romance Languages and Literatures (*on leave 2001-02*)

Johanna Damgaard Liander, Senior Preceptor in Romance Languages and Literatures

José Antonio Mazzotti, Assistant Professor of Romance Languages and Literatures
(*Undergraduate Adviser in Spanish and in Latin American Studies*) (*on leave spring term*)

Marlies Mueller, Senior Preceptor in Romance Languages and Literatures

Pierre Nepveu, Visiting Professor of Romance Languages and Literatures (*University of Montreal*)

Lino Pertile, Professor of Romance Languages and Literature

Patricia Sobral, Preceptor in Romance Languages and Literatures

Doris Sommer, Professor of Romance Languages and Literatures (*on leave 2001-02*)

Diana Sorensen, Professor of Romance Languages and Literatures (*on leave fall term*)

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature (*Director of Graduate Studies in French*)

Other Faculty Offering Instruction in the Department of Romance Languages and Literatures

Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor

The curriculum in Romance Languages and Literatures includes courses in Catalán, French, Italian, Portuguese, and Spanish, as well as Latin American Studies and Romance Studies, and is structured in four large groupings: 1) Letters (A-C) designate elementary and early intermediate courses covering the first four semesters of language study; 2) Numbers 20-99 indicate courses in language, literature, and culture designed primarily for undergraduates. Numbers 20-59 give special attention to the development of language skills in a variety of literary and cultural contexts. Within this group, the first digit indicates the year of language study (i.e., 35 is third year). Courses numbered 40-59 offer the most advanced level of language study and are also open to graduate students. Courses 70-79 are introductory surveys of literature. Those numbered 90-99 include tutorials for concentrators and a series of undergraduate seminars, limited to 15 students, which offer introduction to the specialized study of literature. Numbers of courses above 59 do not reflect a required level of language proficiency. 3) 100-level courses are offered to undergraduates and graduate students; 4) 200-level courses, chiefly seminars, are offered primarily to graduate students.

For courses in general and comparative Romance literature, see listings of the Department of Comparative Literature.

No language courses may be taken pass/fail. Graduate students in the Faculty of Arts and Sciences may take language courses (numbered A-52) for a grade of SAT/UNSAT, with permission of the instructor. All Romance language courses, 100-level and above, may be taken Pass/Fail without the instructor's signature unless otherwise noted. Undergraduates are free to enroll in 200-level graduate courses without the instructor'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 a C or 20 level course after the sixth meeting.

Catalan

Primarily for Undergraduates

Catalan Aa (formerly Catalán Ba). Elementary Catalán I

Catalog Number: 2153

Bradley S. Epps and staff

Half course (fall term). M., W., F., at 12; M., W., 1–2:30. EXAM GROUP: 5

A basic introductory course in Catalán, the language of approximately six million people in parts of Spain, France, and Italy, with its own rich literary and cultural traditions. Emphasizing oral communication, reading, and writing, Catalán Aa will include a selection of literary and historical texts and will offer students contact with contemporary Catalonia through the press and Internet sites.

Note: Conducted in Catalan. Knowledge of another Romance language is useful but not essential.

[Catalan Ab. Elementary Catalán II]

Catalog Number: 8572

Bradley S. Epps and staff

Half course (spring term). Hours to be arranged.

Further develops communicative skills (reading, writing, speaking) in Catalán with special attention to literature, the visual arts, political and linguistic history, and current events. *Note:* Conducted in Catalán. Knowledge of another Romance Language is recommended.

Note: Expected to be given in 2002–03.

Prerequisite: Catalán Aa or permission of the instructor.

Catalan Ax. Reading Catalan

Catalog Number: 5084

Bradley S. Epps

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

An intensive introduction to Catalan prose reading for both undergraduates and graduates. Aims at the rapid development of reading skills as a tool for research. Selection of materials in accordance with students' needs.

Prerequisite: Some previous knowledge of a Romance language helpful but not necessary.

***Catalan 91r. Supervised Reading and Research**

Catalog Number: 2578

Bradley S. Epps and staff

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

French



The term “placement score” or “placement test” below and in the various course descriptions refers to the French placement test given during Freshman Week for freshmen, and usually on Registration Day for returning students. All students with some previous French in secondary school are required to take the placement test.

Students who receive a grade of 5 in the College Board Advanced Placement Examinations in French Literature are admitted directly into French 47b and 48b, with permission of instructor, and also into middle-group courses of French literature. Students who receive a grade of 5 in the College Board Advanced Placement Examinations in French Language normally are admitted to French 47b with the permission of the instructor. For details of Advanced Placement see the pamphlet *Advanced Standing at Harvard College* or apply to the Director of the Program of Advanced Standing.

Primarily for Undergraduates

French A. Elementary French

Catalog Number: 3373

Marlies Mueller and staff

Full course (indivisible). Five meetings a week, Section I: M. through F., at 9; Section II: M. through F., at 10; Section III: M. through F., at 11; Section IV: M. through F., at 12; Section V: M. through F., at 1. EXAM GROUP: 12

A complete basic course covering all major grammatical constructions for students with little or no knowledge of French. A multi-media approach, with an initial emphasis on oral mastery of the language, furnishes a solid basis for the development of reading and writing skills during the Spring term. By the end of their first year of language training, students will speak simple, correct French, and will have read such landmark authors as Victor Hugo (*Fantine*), Mérimée (*Carmen*), and Sartre (*Huis Clos*) in their original language, yielding an introduction to French Culture and aesthetics as reflected in literary and cinematic masterpieces.

Note: French A fulfills the language requirement. Students whose placement score does not entitle them to enter a more advanced course are assigned to French A. May not be taken Pass/Fail. Graduate students may take the course SAT/UNSAT with permission of the course head. Students should section on-line on the French A website.

French Ax. Reading French

Catalog Number: 2763

Judith Frommer and staff

Half course (fall term). Section I: Tu., Th., 10–11:30; Section II: Tu., Th., 11:30–1. EXAM GROUP: 13

An introduction to reading modern French prose for students who require only reading knowledge of French for research purposes. Selection of materials in accordance with students' needs. Some previous study of a Romance language helpful but not necessary.

Note: Not open to students with a score of 500 or above on the SAT II French test, or to graduate students 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. Students should section on-line on the French Ax website.



***French Bab. Intensive Elementary French: Special Course**

Catalog Number: 8780 Enrollment: Limited to 15 students per section.

Judith Frommer and staff

Full course (spring term). Section I: M. through F., at 10 and Tu., Th., at 11. Section II: M., through F., at 1 and Tu., Th., at 2. EXAM GROUP: 3, 12

A complete first-year course for non-requirement students. Provides a solid foundation in French for those with absolutely no prior knowledge of the language. Speaking, listening, reading, and writing are all emphasized, with class time devoted to oral expression. After French Bab, students should be able to engage in everyday conversation with native speakers, and read straightforward texts, both fiction and non-fiction, with relative ease.

Note: May not be used to fulfill the language requirement and may not be taken Pass/Fail.

French Bab does not section. Interested students should fill out the on-line request form on the French Bab website by the end of the Fall semester examination period.

Prerequisite: An advanced knowledge of at least one foreign language.

French Ca. Intermediate French I

Catalog Number: 1810

Judith Frommer 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. Students should section on-line on the French Ca website.

Prerequisite: Placement score of 500-599 on the SAT II test or the Harvard Placement Test; 3 years of French in high school; passing grade in French A; or permission of the instructor.

French Cb. Intermediate French II: La Francophonie

Catalog Number: 6343

Judith Frommer and staff

Half course (spring term). Three weekly meetings: Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 11; Section IV: M., W., F., at 12; Section V: M., W., F., at 1. EXAM GROUP: 2

Aims to further develop the four communicative skills while introducing students to the concept of “la francophonie” as represented in literature and films from Quebec, the Caribbean, and Africa. In French Cb, students continue the study of grammar begun in French Ca.

Note: Conducted in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students should section on-line on the French Cb web page.

Prerequisite: Placement score of 600-659 on the SAT II test or the Harvard Placement test; a passing grade in French Ca; or permission of instructor.

French 25. Intermediate French III: L’Etre humain et son univers

Catalog Number: 8781

Marlies Mueller and staff

Half course (fall term; repeated spring term). Fall: Section I: M., W., F., at 9; Section II: M., W.,



F., at 10; Section III: M., W., F., at 12; Section IV: M., W., F., at 1. Spring: Section I: M., W., F., at 10; Section II: M., W., F., at 12.. EXAM GROUP: Fall: 10; Spring: 3

An introduction to French literature and cinema combined with a complete review of French grammar. Contemporary texts and films are chosen that explore enduring questions of human experience. Reflections on the meaning of life are compared and contrasted. Authors and filmmakers include Baudelaire, Camus, Kieslowski, Pagnol, Rimbaud, and Sartre. By the end of the semester, students should be able to understand lectures in French and express their thoughts orally and in writing with confidence using simple, correct French.

Note: Conducted in French. Open to students with 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, for initial placement, a placement score between 600-659 on the SAT II test or the Harvard Placement test; or by permission of the instructor. May not be taken Pass/Fail. Students should section on-line on the French 25 website.

French 27. French Oral Survival: Le Français parlé

Catalog Number: 3060

Judith Frommer and staff

Half course (fall term; repeated spring term). Fall: Section I: M. through F., at 9; Section II: M. through F., at 12; Section III: M. through F., at 1; Spring: Section I: M. through F., at 9; Section II: M. through F., at 12; Section III: M. through F., at 1. EXAM GROUP: 2

Intended to prepare students for immersion in any Francophone country, this course stresses oral communication and use of current vocabulary, idiomatic expressions, and culturally appropriate speech strategies, all presented thematically. Students improve listening and speaking skills using web-delivered audio and video films; they review grammar via computer tutorials. Weekly articles from the French press offer opportunities to develop reading skills while providing information about contemporary France. After taking French 27, students should feel at ease speaking French and conversing with native speakers and should be able to handle all situations encountered in everyday life.

Note: French 27 may not be used to fulfill the language requirement. May not be taken pass/fail, but may be taken Sat/Unsat by GSAS students. Students should section on-line on the French 27 web page.

Prerequisite: Placement score of 600-659 on the SAT II test or the Harvard Placement test; grade of B+ in French A or Bab, B in French Ca with language requirement completed, or B in French Cb or French 25; or permission of instructor.

French 31. Oral Expression: La France à travers les medias

Catalog Number: 0490

Judith Frommer and staff

Half course (fall term; repeated spring term). Fall: M., W., F., at 10 or 11; Spring: M., W., F., at 10 or 11. EXAM GROUP: 4

Designed for students with a conversational level of French who want to further develop their oral-aural skills. Students will increase their vocabulary and acquire more sophisticated speech strategies while learning about France through the French press, (both written and audio-visual), films, and the world wide web. The course will include a grammar review and practice in writing.

Note: Conducted in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS



students. Students should section on-line in the French 31 website.

Prerequisite: Placement score of 660 on the SAT II test or the Harvard Placement test; a passing grade in French 25 or 27, or by permission of the instructor.

French 35. Upper-Level French I: “La quête de soi et le rapport avec autrui”

Catalog Number: 1935

Marlies Mueller and staff

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 1. Spring: Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 1. EXAM GROUP: 3

A course in French language, literature, and film designed to develop facility in speaking, listening comprehension, writing, and reading at the advanced level. Considers representations of the self in French literature and cinema, and the various cultural institutions within which individuality is constructed. Genealogy, politics, law, art, memory, education, and religion are considered in literary context. How does one arrive at knowledge of self, and what are the consequences of this knowledge? Authors and filmmakers attempting to answer this question include Baudelaire, Camus, Duras, Hugo, Leconte, Rouan, Truffaut, and Vercors; course includes a complete grammar review and vocabulary building, in context.

Note: Conducted in French. Students should section on-line on the French 35 website.

Prerequisite: For initial placement, French 25, or permission of instructor. Open to students with a placement score of 660 on the SAT II test or the Harvard Placement test taken. May not be taken Pass/Fail.

French 36. Upper-Level French II: Liberté et Conscience

Catalog Number: 6963

Marlies Mueller and staff

Half course (spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 1. EXAM GROUP: 13

An 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? What ethical difficulties does the affirmation of individual liberty occasion? Politics, philosophy, art, and literary imagination are considered as they relate to the creation and expansion of human autonomy. Authors and film directors include Balzac, Beauvoir, Camus, Granier-Deferre, Maupassant, Nuytten, Ophuls, Renoir, Ribowska, and Yourcenar. Grammar is reviewed in context, complemented by audiotapes, videotapes, films, and optional computer-assisted instruction materials designed to sharpen oral/aural skills.

Note: Conducted in French. Students should section on-line on the French 36 website.

Prerequisite: French 25, 27, 30, or 35; a placement score of 690 on the SAT II test or the Harvard Placement test ; or permission of the instructor. May not be taken Pass/Fail.

French 41 (formerly French 37). Les régions de France: hier et aujourd’hui

Catalog Number: 7909

Marie-France Bunting and staff

Half course (fall term). Section I: M., W., F., at 10; Section II: M., W., F., at 12. EXAM GROUP: 3

A journey through various regions of France surveying the present and past identities of



Bretagne, Alsace, and Provence, Dordogne and Périgord, through history, folklore, traditions, gastronomy, art, music, and regional literature. Resources for class discussions include current articles from the French press, information from web sites, and 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.

Prerequisite: French 31, 35 or 36. Open to students with a placement score of 710 on the SAT II test or the Harvard Placement test, or by permission of the instructor.

French 42 (formerly French 38b). Introduction à la littérature francophone

Catalog Number: 2581

Marie-France Bunting and staff

Half course (spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 12. EXAM GROUP: 3

Designed to introduce students to the works of some leading Francophone writers from Québec, Antilles, North and West Africa while helping them acquire greater skills and confidence in both oral and written expression. Discussions will focus on issues of identity, tradition and modernity as expressed in the works of Hébert, Condé, Chedid, Sembène, Laye, Chraïbi, and of Francophone film directors.

Note: Conducted in French. May not be taken pass/fail.

Prerequisite: French 31, 35, 36, 41 (formerly 37). Open to students with a placement score of 710 on the SAT II test or the Harvard Placement test, or by permission of the instructor.

French 45. Le Français économique et commercial

Catalog Number: 7122

Judith Frommer and staff.

Half course (spring term). Section I: Tu., Th., 10–11:30; Section II: Tu., Th., 1–2:30. EXAM GROUP: 12, 13

Designed for students interested in international business or affairs or who intend to work or travel for business in French-speaking countries. Through audiovisual materials, and current newspaper and magazine articles, 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. Students learn specialized business and economic vocabulary and the principles of business correspondence. Those enrolled may take the Paris Chamber of Commerce and Industry exams and obtain an official certificate attesting to their proficiency in French.

Note: Conducted in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students should section on-line on the French 45 website.

Prerequisite: Placement score of 660 on the SAT II test or the Harvard Placement test; or by permission of the instructor.

French 47b. La Société Français à Travers les âges

Catalog Number: 6222

Marie-France Bunting

Half course (fall term). Section I: M., W., F., at 10; Section II: M., W., F., at 12. EXAM GROUP: 3



A presentation of prominent political figures and social archetypes such as /ile chevalier, l'honnête homme, la femme de salon, etc. and major historical events and accounts of everyday life that contributed to the formation of a national identity. Resources fro class discussions include readings from historical, literary and sociological sources. Films closely related to the course material will highlight social and cultural currents of historical importance. 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.

Prerequisite: French 36,41 (formerly 37), 42 (formerly 38b). Open to students with a placement score of 760 on the SAT II or the Harvard placement test, or by permission of the instructor.

French 48b (formerly French 48). Contemporary French Society

Catalog Number: 8290

Marie-France Bunting and staff

Half course (spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 12. EXAM GROUP: 3, 5

Designed to develop greater linguistic fluency while introducing students to some 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 reading from the French press and web sites 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

Prerequisite: French 41 (formerly 37), 42 (formerly 38b), 45, 47b (formerly 47). Open to students with a placement score of 780 on the SAT II or the Harvard placement test, or by permission of the instructor.

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., 2–3:30. EXAM GROUP: 7, 8

Aims to strengthen and develop the students' competence in written expression. Using short novels, short stories, essays and sample texts drawn from history, philosophy, and journalism, students learn to practice different styles in creative, argumentative, and analytical writings. Special emphasis will be paid to stylistic variations, lexical nuances, and complex grammatical structures. In addition, each student will present several *explications de texte* (close reading of a text).

Note: Conducted in French. May not be taken Pass/Fail.

Prerequisite: French 36, 41 (formerly 37), 42 (formerly 38b) , 47b (formerly 47) or 48b (formerly 48). Open to students with a Harvard placement test score of 760, or by permission of the instructor. Recommended for concentrators and joint concentrators.

French 52. Advanced Oral Expression

Catalog Number: 2610

Marie-France Bunting

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

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 threefold: to fine-tune listening comprehension; to develop linguistic skills in presenting oneself, expressing emotions, debating, negotiating, persuading, etc.; and to improve pronunciation (practice of sounds, intonation and rhythm through short dialogues and memorization of poems). Authentic materials in print or on audio or video cassettes will be used as models. In addition to practical and corrective work, students will participate collectively in a theatrical production as a final class project.

Note: Conducted in French. May not be taken Pass/Fail.

Prerequisite: French 41 (formerly 37), 42 (formerly 38b), 47b (formerly 47) or 48b (formerly 48). Open to students with a score of 750 on the Harvard placement test, or by permission of the instructor. Recommended for concentrators and joint concentrators.

French 70a. Introduction to French Literature I: From the Middle Ages to Modernity

Catalog Number: 2865

Alexia Elisabeth Duc

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

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: Lectures in French; third hour devoted to discussion of texts studied.

Prerequisite: Placement score of 660 on the SAT II test or the Harvard Placement test, equivalent preparation, or permission of instructor.

French 70b. Introduction to French Literature II: Representations of Change (From the Romantics to the Present)

Catalog Number: 6720

Janet Beizer

Half course (spring term). M., W., at 11 and a 3rd hour to be arranged. EXAM GROUP: 4

Significant texts from the 19th and 20th centuries examined in the light of contemporary literary and cultural criticism.

Note: Lectures in French; third hour devoted to discussion of texts studied.

Prerequisite: Ability to understand and read French with ease.

French 70c. Introduction to French Literature III: The Francophone World

Catalog Number: 6432

Samba Diop

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Studies short stories, poetry, film, and drama from Black Africa, Quebec, Martinique, Guadeloupe, French Guyana, Vietnam, Algeria, Morocco, Tunisia, Madagascar, Djibouti, and La Réunion.

Note: Lectures in French.

Prerequisite: Ability to understand and read French with ease.

***French 91r. Supervised Reading and Research**

Catalog Number: 3954

Marie-France Bunting and members of the Department



Half course (fall term; repeated spring term). Tu., 2–4. EXAM GROUP: 16, 17
Tutorial supervision of research on subjects not treated in regular courses.

***French 97. Tutorial—Sophomore Year**

Catalog Number: 0173

Janet Beizer and members of the Department and Tutorial Board.

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

What is literature? What is theory? When is literature theoretical; when is theory literary?

Introduction to literary interpretation. Discussion of literary works in relation to literary theory and criticism.

Note: Required of concentrators in their sophomore year. Open to non-concentrators by permission of the instructor.

***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 semester 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 Advisor 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 Advisor.

Cross-listed Courses

Comparative Literature 165. The Holocaust and Problems of Representation

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

***Freshman Seminar 9. Autobiographical Underpinnings of Contemporary Biography**

***Freshman Seminar 20. Jean-Jacques Rousseau**

***Freshman Seminar 23. Molière and Comedy**

Literature and Arts C-25. The Medieval Stage

Literature and Arts C-43. The Medieval Court

Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars

For Undergraduates and Graduates

[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 2002–03. Conducted in French. Required of all graduate students in French.

[French 102. Introduction to Medieval Literature and Old French]

Catalog Number: 9929

Virginie Greene

Half course (fall term). Hours to be arranged.

Provides students with linguistic, literary and cultural means of exploring French medieval literature. We will study verse and prose works from the 12th to the 15th century, using both editions in Old French and translations in modern French.

Note: Expected to be omitted in 2002–03. Expected to be given in 2003–04. Conducted in French.

[French 104. The Autumn of the Middle Ages]

Catalog Number: 7978

Virginie Greene

Half course (spring term). Hours to be arranged.

“So violent and motley was life, that it bore the mixed smell of blood and of roses” (Johan Huizinga, 1924). We will explore 14th- and 15th-century French literature not only in search of “blood and roses” esthetics, but also in questioning the relations between faith and reason, princes and poets, melancholy and enjoyment, fiction and reality. We will read texts by well-known authors such as François Villon, Jean Froissart, Philippe de Commynes, Christine de Pizan, and texts by less-known ones such as Antonine de La Sale, René d’Anjou, La Tour Landry.

Note: Expected to be given in 2002–03. Conducted in French.

French 111. Genre and the Problem of Authority in Medieval French Literature

Catalog Number: 8276

Kevin Brownlee (University of Pennsylvania)

Half course (spring term). F., 9–12. EXAM GROUP: 2, 3, 4

Course considers literary genre as process and textual authority as problem. Special attention is given to questions of authorial voice, gender representation, and historico-political context. We will study texts from the 11th to the 15th centuries, in which new generic forms are invented and transformed: *chanson de geste*, courtly romance, lyric, drama, theater, and autobiography.

Readings include the *Chanson de Roland*, Chretien de Troye’s *Lancelot*, *Aucassin et Nicolette*, Adam de la Halle’s *Jeu de Robin et Marion*, and Christine de Pizan’s **Jehanne d’Arc*.

[French 119. The French 17th Century: A Century of Moralists]

Catalog Number: 9288

Alexia Elisabeth Duc

Half course (spring term). Hours to be arranged.



More than any other period in French literature, the 17th century is preoccupied with the observation of the *moeurs* of its society, and the profession of *moraliste* becomes a common point between authors from various *genres* ranging from the theater to the novel and the *formes brèves* such as *pensées*, *caractères*, fables, maxims, etc. How can we explain such an appeal? What is the nature of this *morale*, and what vision does it offer of man, in a time of cultural, political and social transformations? Readings include La Mothe le Vayer, Sorel, Pascal, Molière, La Rochefoucauld, La Fontaine, Nicole, Racine, La Bruyère.
Note: Expected to be given in 2002–03. Conducted in French.

French 121. The Text of the Renaissance

Catalog Number: 4006

Tom Conley

Half course (spring term). Tu., 11–1. EXAM GROUP: 13, 14

Studies printed writing of the Renaissance as creative form; includes readings of Rhétoriciens, Marot, Rabelais, *arts poétiques*, Ronsard, Pléiade and Baroque poetry, and personal essay: Hélienne de Crenne, Montaigne, and d'Aubigné.

Note: Conducted in French.

[French 130. Literature and Cartography: History and Theory]

Catalog Number: 7252

Tom Conley

Half course (spring term). Hours to be arranged.

Studies groundwork of a new field through comparative analysis of space, language, and locational imaging from late-medieval texts to the computer. Readings will extend into early modern print-culture (Rabelais, Finé, Thevet), the classical age (Descartes, Corneille, Sanson); the Enlightenment (Diderot, Cassini survey, Vaugondy); post-1789 (De Lisle, Balzac, Vidal de la Blache); the age of cinema (Clair, L'Herbier, Godard). Theory includes Certeau, Deleuze, Foucault, Jacob, Lefebvre.

Note: Expected to be given in 2002–03. Conducted in French.

[French 131. From the Study to the Stage: Self, Identity and Writing in the 17th Century]

Catalog Number: 7385

Alexia Elisabeth Duc

Half course (fall term). Hours to be arranged.

The argument of the course presents a counter-narrative to conventional histories of the emancipation of the individual beginning in the Renaissance and continuing steadily through the Enlightenment. In 17th-century France, the prevailing modes of constructing the self reflect a strong skepticism towards the very possibility of self-knowledge which leads to a reflection on the relationship between subjectivity and what is exterior to it but defines it; discourse, society, God. Readings start with Montaigne whose seminal enterprise sets the terms of the debate and follow with lyrical poetry (T. de Viau, St. Amant), theater (Corneille, Molière) moralist writing (La Rochefoucauld, Nicole, Pascal) and letters (Mme de Sévigné, Bussy-Rabutin).

Note: Expected to be given in 2003–04. Conducted in French.

[French 132a. 20th-Century French Fiction I: The Realist Mode]

Catalog Number: 4382



Susan R. Suleiman

Half course (fall term). Hours to be arranged.

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, ethics? Discussions of works by Colette, Gide, Céline, Malraux, Sartre, Camus, Beauvoir, and others, as well as selected critical essays.

Note: Expected to be given in 2002–03.

[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 try to answer that question by examining 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, Crevel, Bataille, Robbe-Grillet, Sarraute, Queneau, Perec, Duras, Wittig, Cixous, as well as selected critical essays.

Note: Expected to be given in 2002–03.

French 133. Rise and Fall of the Hero in the 17th Century

Catalog Number: 2999

Alexia Elisabeth Duc

Half course (spring term). Tu., at 9, Tu., F., at 10. EXAM GROUP: 3, 11, 12

17th-century literature reflects upon the lessons of Montaigne's *Essais* and the notions of "dignitas" and "miseria hominis," which we will explore in their constant dialectic. The fundamental question "What makes a hero?" can only be answered through an immersion in the main ethical, religious and philosophical currents of the "Grand Siècle." Is heroism dead after the hero falls? Readings include Corneille, Descartes, Pascal, Molière, Racine and La Rochefoucauld.

Note: Conducted in French.

[French 136. Feminist Literary Criticisms]

Catalog Number: 3845

Alice Jardine

Half course (fall 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 feminist writings of the French poststructuralist tradition. What has been the legacy and impact of the last three decades of dialogue between French "theory" and feminist "practice" in the United States? Writings to be considered include Hélène Cixous, Marguerite Duras, Jeanne Hyvrard, Luce Irigaray, Julia Kristeva, and Monique Wittig as well as Gilles Deleuze, Jacques Derrida, and Jacques Lacan.

Note: Expected to be given in 2002–03. Conducted in English. Readings in French.

Prerequisite: Excellent reading knowledge of French.

[French 139a (formerly French 139). The 18th Century: Self and Society]

Catalog Number: 2906



Christie McDonald

Half course (fall term). Hours to be arranged.

An exploration of how the relationship between self and other, society and utopia, inaugurates a discourse on change from the second half of the 18th century through the French Revolution:

Marivaux, Rousseau, Diderot, d'Alembert, Voltaire, Sade, Gouges, Beaumarchais, Condorcet.

Note: Expected to be given in 2002–03. Given in French.

[French 139b. The 18th Century: Ethical Dilemmas]

Catalog Number: 2223

Christie McDonald

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2002–03. Conducted in French.

French 165. Marcel Proust

Catalog Number: 4620

Christie McDonald

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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 (spring term). Hours to be arranged.

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, de Beauvoir, Beyala, Godard, Kassovitz, Maspero, Latour, Ross and others).

Note: Expected to be given in 2002–03. Conducted in French.

[French 175. Julia Kristeva: Introductions and Conclusions]

Catalog Number: 1888

Alice Jardine

Half course (spring term). Hours to be arranged.

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. Special attention will be paid to the question of gender and women in her writings.

Note: Expected to be given in 2002–03. Conducted in English with readings in French.



Prerequisite: Excellent reading knowledge of French. Some background in French Poststructuralist theory would be helpful.

[French 180. 20th-Century French and Francophone Women Writers]

Catalog Number: 4566

Alice Jardine

Half course (fall term). Hours to be arranged.

A consideration of some of the major novels by women writing in French from Colette to Djébar. Emphasis will be added to the literary, critical and political questions raised by the inclusion of women's cultural work into the canon.

Note: Expected to be given in 2002–03. Conducted in English. Readings in French.

[French 182. Poetics and Politics: Contemporary French Theory and Culture]

Catalog Number: 0684

Verena A. Conley

Half course (fall term). Hours to be arranged.

Focuses on the relation between cultural production and politics in the debate over the evolution of societies. Deals with cultural responses (theory, fiction and film) to unifying processes of global modernity. Readings include: Augé, Balibar, Cixous, Deleuze and Guattari, Derrida, Djébar, Godard, Virilio, and others.

Note: Expected to be given in 2002–03. Conducted in French.

French 188. Women Francophone Writers

Catalog Number: 9922

Samba Diop

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Women writers of the Francophone world brought forth a style of writing referred to as *l'écriture féminine* and *féministe*. Their narratives project a new social vision based on the elucidation of problems that reflect the colonial and post-colonial world. Thus, there is a dynamic impulse predicated on the articulation of themes pertaining to societies where women are at the forefront in many areas; through the aid of narratives, we are given specific interpretations of topics: family, polygeny, modern/urban and rural life, education, marriage, the workplace, gender, race and ethnicity, etc. Authors include A. Andria, A. Sow Fall, M. Bâ, K. Bugul, C. Njuzi, H. Bassek, W. Liking, M. Rakotoson, (Africa and Madagascar); A. Djébar, F. Mernissi (Maghreb); M. Lacrosil, M.-T. Colimon, M. Condé (Antilles); M. Ndiaye, C. Beyala (France).

Note: Conducted in French.

French 193. Quebec Literature: A North-American Perspective.

Catalog Number: 5797

Pierre Nepveu (University of Montreal)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Through the reading of significant literary texts (mostly novels, short stories, essays and some poems), and the occasional use of other media (films, audio-recordings), this course will examine the singular situation of French-Canadian culture and literature within a predominantly English-speaking North America. How did a literary and historical conscience take shape in such an environment? How did the French sources of that culture adapt to the New World, in the



neighborhood of the New England Puritans and the British Loyalists of Upper Canada? What are the main features, themes, and forms that have emerged in modern and contemporary Quebec literature, in a growing multicultural and Americanized world? Novelists like Gabrielle Roy, Anne Hébert, Jacques Godbout, Marie-Claire Blais, and Jacques Poulin will get special attention, along with a variety of others, including immigrant writers.

French 194. Francophone Film, Cinema, and Epic Fiction

Catalog Number: 9392

Samba Diop

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Francophone cinema articulates themes in visual forms, with a distinct style of expression: colonization; decolonization; millenarian politics; the status of women; Western consumerism; the disenfranchised poor; Islam, Christianity and African religions; the *griot* and epic traditions; urban and rural life; myths and folktales; post-colonial life; education; reverse anthropology; etc. The peculiarity of Francophone cinema is that national languages such as Berber, Wolof, Arabic, Creole, Mandinka, are used as media of expression. However, because of the interferences with French, there is a diglossia between French and the national languages. Films allow us a broad view of the landscapes and of peoples in concrete forms. To provide contrast, we will read selected novels and epic texts.

Note: Conducted in English. Readings available in English and in French.

French 199. Quebec Poetry: Time and Space in the Poetic Mind.

Catalog Number: 5597

Pierre Nepveu (University of Montreal)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

This course will propose a travel through the rich poetic landscape of modern Quebec, mainly from the 1960's to the present day, with an important introduction to the earlier period. Emphasis will be put on the development of modern and post-modern forms, on the complex relationship between subjectivity and natural or urban spaces, and on the question of memory and identity in many of its most important dimensions: national, feminist, ethnic, etc. Foreign influences, whether European, American or East Asian, will be taken into account. Readings will focus on major poets such as Anne Hébert, Gaston Miron, Paul-Marie Lapointe, Jacques Brault, Nicole Brossard and Hélène Dorion. An anthology and various recording will provide some additional material to the basic readings.

Cross-listed Courses

***Literature 125. Literature, Technology, and the Body**

[*Literature 129. Reading the 18th Century Through 20th-Century Eyes]

[Literature 140. Colonial and Post-Colonial Spaces: France and North Africa]

Primarily for Graduates

[French 213. In Search of a Medieval Subject]

Catalog Number: 1419

Virginie Greene



Half course (fall term). Hours to be arranged.

We will read lyric poetry and Arthurian romances in order to identify a subject through the broodings and wanderings of various (and often dubious) figures such as King Arthur himself, divided knights, elusive ladies, and vocal lovers.

Note: Expected to be given in 2002–03. Opened to qualified undergraduates.

French 214. The Romance of the Rose and Its Medieval Reception

Catalog Number: 7214

Kevin Brownlee (University of Pennsylvania)

Half course (spring term). F., 2–5. EXAM GROUP: 7, 8, 9

A close reading of the *Rose*, focusing on issues of authority, authorial selfhood, and hermeneutics. We then look at Jean Froissart and Christine de Pizan as readers and rewriters of the *Rose*.

[French 224. Theater and Politics in the Classical Age: Corneille, Racine, Molière]

Catalog Number: 6943

Alexia Elisabeth Duc

Half course (spring term). Hours to be arranged.

As the nature of the relationship between the State and its subjects changes drastically in the 17th century from Richelieu's blatant use of force to the Sun King's seduction by *éblouissement*, theater is made to participate in the political scene, and in turn provides a commentary on politics. Special attention given to the representation of the hero and the state and to the central reflection on power, force and discourse. Additional readings include "political" authors from the 16th and 17th centuries, such as Machiavelli, La Boétie, Guez de Balzac, Richelieu, Mazarin, Naudé.

Note: Expected to be given in 2002–03. Conducted in French.

[French 226. Literature and Civility in the 17th Century]

Catalog Number: 7576

Alexia Elisabeth Duc

Half course (spring term). Hours to be arranged.

Explores the relationship between literature and civility as aesthetic and social rhetorics conflate in the court and salon culture of the century. Special attention is given to epicurism and augustinism. Readings include Faret, d'Urfé, Scudéry, Bouhours, Méré, Nicole, Racine, La Fayette.

Note: Expected to be given in 2002–03. Conducted in French.

French 242. Jean-Jacques Rousseau

Catalog Number: 8357

Christie McDonald and Stanley Hoffmann

Half course (spring term). W., 4–6:30. EXAM GROUP: 9

The course will read a broad sweep of Rousseau's anthropological, literary, social and political, as well as the autobiographical works. Discussion will focus on key themes such as the relation between sentiment and reason, nature and culture, independence and dependence. Readings will 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 256. Sand, Colette, and the Mothers of Invention

Catalog Number: 3546

Janet Beizer

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Colette, both a subtle deconstructionist and a fabulous mystifier of maternity, looked back in awe at the productivity of her literary foremother George Sand. Taking off from the relationship of literary maternity and filiation, we will consider how the two writers imagined and constructed mothers, motherhood, and maternity. Readings in Sand and Colette will include a range of genres (autobiography, correspondence, memoir, and novel), and will be influenced by contemporary critical and theoretical texts.

French 267. The Public Intellectual in France, from Zola to Bourdieu

Catalog Number: 6201

Susan R. Suleiman

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

What forms has the political engagement of intellectuals in France taken since the Dreyfus Affair, when the term “intellectual” first came into use? Are writers obligated to become involved in public life, or should they leave that to politicians? Is the intellectual always male? We will discuss these and related questions raised by major works and moments of debate in French cultural life since the turn of the 20th century. Works by Zola, Barrès, Benda, Nizan, Sartre, Beauvoir, Camus, Sollers, Debord, Kristeva, Bourdieu and others.

Note: Conducted in English or French, depending upon student preference. Open to qualified juniors and seniors, with instructor’s permission.

[French 270. War and Memory: Representations of World War II in Postwar French Literature, History and Film]

Catalog Number: 7428

Susan R. Suleiman

Half course (spring term). Hours to be arranged.

Discussion of selected novels, essays, autobiographical and historical writings, and films about wartime experiences, as seen from immediate and later postwar perspectives. Topics include trauma, testimony, and the relations between history and its representations. Works by Sartre, Céline, Simon, Perec, Duras, Modiano, Delbo, Ophuls, and others.

Note: Expected to be given in 2002–03. Open to qualified juniors and seniors.

French 271. Legacies of Poststructuralism: An Introduction

Catalog Number: 8448

Verena A. Conley

Half course (fall term). M., 1–3.

This seminar will examine the legacies of poststructuralism, or “high theory” and literary theory today. We will study the works of several theoreticians (Badiou, Cixous, Deleuze, Derrida, Foucault, Nancy, et al.) and their effects on various disciplines from literature to the media.

Note: Readings in French. Open to qualified undergraduate students.



French 285r. French Literature: Seminar

Catalog Number: 7479

Tom Conley

Half course (fall term). W., 1–2:30. EXAM GROUP: 6, 7

Topic for 2001-02: Space, Surface, & Speed: Architecture and Movement of Renaissance Writing. Studies relation of printed literature to spacialization of time. Writing will be seen through architectural theory and practice: Vitruvius, Tory, Colonna, Palissy, Philibert, and Du Cerceau next to Rabelais, Du Bellay, Ronsard, Aneau, Montaigne.

Note: Conducted in French. Open to qualified undergraduate students.

French 289r. French African Literature: Seminar

Catalog Number: 4502

Samba Diop

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Topic for 2001-02: The Black African and Maghrebini Francophone Novel. Fictional writings from Black and North Africa. Themes discussed: colonization, Islam, Christianity, and animism, polygeny, French language and education in Africa, postcoloniality, women's writings, modernity, relation between North and Black Africa, etc. Both essays and novels by: M. Bédi, K. Yacine, A. Khatibi, V. Tadjó, O. Sembène, T. Ben Jelloun, Ken Bugul, A. Djébar, Hampâté Bâ, Werewere Liking, H. Lopès, M. Dib, A. Meddeb.

Note: Open to qualified undergraduates. Conducted in French.

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, Samba Diop 3079, Alexia Elisabeth Duc 3801, Judith Frommer 7066, Virginie Greene 1007, Alice Jardine 7457 (on leave 2001-02), Barbara E. Johnson 7626 (on leave 2001-02), Christie McDonald 1160, and Susan R. Suleiman 7234

***French 330. Direction of Doctoral Dissertations**

Catalog Number: 7843

Janet Beizer 3957, Janet Beizer 3957, Tom Conley 1908, Samba Diop 3079, Alexia Elisabeth Duc 3801, Virginie Greene 1007, Alice Jardine 7457 (on leave 2001-02), Barbara E. Johnson 7626 (on leave 2001-02), Christie McDonald 1160, and Susan R. Suleiman 7234

Italian

The term “placement score” or “placement test” below and in the various course descriptions refers to the Italian placement test given during Freshman Week for freshmen and usually on Registration Day for returning students. All students with some previous Italian in secondary school are required to take the Placement Test.



No student may enter Italian A after the eighth meeting of the class, Italian Bab after the third meeting, or a C level course after the sixth meeting. Students may sign up for Italian A through 51 online on the course website.

Primarily for Undergraduates

Italian A. Elementary Italian

Catalog Number: 4309

Elvira G. DiFabio and staff

Full course (indivisible). M. through F., and laboratory. Sections at 9, 10, 11, 12, or 1. EXAM GROUP: 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 semester, with additional emphasis in the spring semester on reading and writing. Introduction to Italian literature through short stories in the spring semester. Course materials include complete software program for Italian grammar and vocabulary.

Note: Conducted largely 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.

Italian Ax. Reading Italian

Catalog Number: 4015

Elvira G. DiFabio and staff

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

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.

***Italian Bab. Intensive Elementary Italian: Special Course**

Catalog Number: 3065 Enrollment: Limited to 15.

Elvira G. DiFabio and staff

Full course (fall term; repeated spring term). Section I: M. through F., at 10, Tu., Th., at 9;

Section II: M. through F., at 12, Tu., Th., at 11. EXAM GROUP: 3, 11, 12

A complete first-year course in one semester 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 used to fulfill the language requirement and may not be taken Pass/Fail.

Conducted largely in Italian.

Prerequisite: An advanced knowledge of at least one foreign language, preferably a modern Romance language.

Italian Ca. Intermediate Italian I: L'italiano in giallo, rosa e nero

Catalog Number: 3217

Elvira G. DiFabio and staff



Half course (fall term). Section I: Tu., Th., 1–2:30 and one hour to be arranged; Section II: Tu., Th., 2:30–4 and one hour to be arranged; Section III: M., W., F., 12–1 and one hour to be arranged. EXAM GROUP: 15, 16

Students are introduced to contemporary Italian culture through readings that include a mystery (un giallo), a romance (un rosa), and a crime story (un nero), while developing the four basic communication skills. Includes a grammar review.

Note: Conducted in Italian. Open to students who have passed Italian A, Italian Bab or, for initial placement, to students who achieve a placement score of 450-599 on the SAT II test or the Harvard Placement test, or permission of the instructor.

Italian Cb. Intermediate Italian II

Catalog Number: 6805

Elvira G. DiFabio and staff

Half course (spring term). Section I: Tu., Th., 1–2:30 and one hour to be arranged; Section II: Tu., Th., 2:30–4 and one hour to be arranged; Section III: M., W., F., 12–1 and one hour to be arranged. EXAM GROUP: 15, 16

A logical continuation of Italian Ca, emphasizes developing fluent reading skills with two novels and a play by 20th century authors. Sophisticated written/oral communication will be stressed through regular reaction papers, critical essays, and a special project at the end of the semester. Computer-assisted activities reinforce vocabulary and grammar review.

Note: Conducted in Italian. Open to students whose placement score indicates a more advanced course, or as a continuation of Italian Ca.

***Italian Dab. Intensive Intermediate Italian: Special Course**

Catalog Number: 7258 Enrollment: Limited to 15.

Elvira G. DiFabio and staff

Full course (fall term; repeated spring term). Section I: M. through F., at 12 and Tu., Th., at 11; Section II (spring only): M. through F., at 10 and Tu., Th., at 9. EXAM GROUP: 5, 14

A complete second-year course in one semester for students with an elementary knowledge of Italian. Speaking, listening, reading, and writing skills are all emphasized with class time focused on further developing oral/aural skills. Sophisticated written/oral communication will be stressed through regular reaction papers, critical essays, and a special project at the end of the semester.

Note: May not be used to fulfill the language requirement and may not be taken Pass/Fail. Conducted in Italian. Open to students who have passed Italian A, Italian Bab or, for initial placement, to students who achieve a placement score of 450-599 on the SAT II test or the Harvard Placement test, or permission of the instructor.

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 1; M., W., F., at 12. EXAM GROUP: 6

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 reading. Practice consists of discussions, oral presentations, and compositions.

Note: Conducted in Italian.



Prerequisite: Italian Cb, a placement score of 630 or above on the SAT II test or the Harvard Placement test, or permission of the instructor.

Italian 36. Upper-Level Italian II: Letteratura e cinema

Catalog Number: 5223

Elvira G. DiFabio and staff

Half course (spring term). M., W., F., at 12 or 1. EXAM GROUP: 6

Students read three novels and view films on which they are based. The course aims at achieving proficiency in speaking and writing through vocabulary development and extension of control of higher-level syntactical patterns. Audiotapes and videotapes are used to sharpen oral/aural skills. Practice through class presentations, compositions, and discussions.

Note: Conducted in Italian.

Prerequisite: Italian 35 or permission of instructor.

Italian 40. Advanced Oral Expression: Teatro dal vivo

Catalog Number: 0804 Enrollment: Limited to 12.

Elvira G. DiFabio and staff

Half course (fall term). Tu., Th., 3–5. EXAM GROUP: 17, 18

Reading, analyzing, reciting plays by Nobel Prize-winners Luigi Pirandello and Dario Fo. Student preparation will culminate in the production of a theatrical work at the end of the semester.

Note: Conducted in Italian. Open to graduate students with permission of the instructor.

Prerequisite: Italian 36 or permission of instructor.

Italian 44. Advanced Italian: Effetto Commedia

Catalog Number: 5776

Elvira G. DiFabio

Half course (fall term). Th., at 1, Tu., 1–3, includes film screenings. EXAM GROUP: 15, 16

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 the instructor.

Prerequisite: Italian 36 or permission of instructor.

Italian 48. Voices from Italy: Issues of Identity

Catalog Number: 0178

Elvira G. DiFabio

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

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 popular music and films, news reports, and literary, historical and sociological texts. Frequent oral and written assignments. Grammar reviewed in context.

Note: Conducted in Italian.

Prerequisite: Italian Ca and 35 or permission of instructor.



[Italian 50. Literary Translation]

Catalog Number: 5676

Elvira G. DiFabio

Half course (spring term). Hours to be arranged.

Practice in translation from English to Italian, and occasionally from Italian to English, using sample texts from literature, history, and philosophy. Introduction to a variety of styles, literary devices, semantic and cultural distinctions, and structural differences between Italian and English.

Note: Expected to be given in 2002–03. Conducted in Italian. Open to students who have passed Italian 44 or by permission of the instructor. Open to graduate students with permission of the instructor.

Italian 51. The Structure and Sounds of Italian

Catalog Number: 1306

Elvira G. DiFabio

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Notions of phonology, morphology and syntax, including the analysis of frequently occurring linguistic phenomena especially within the verb paradigm, i.e., what's behind those irregular verbs? Includes modules on the history of the language, the dialects, the language of cinema and comparative Romance linguistics.

Note: Conducted in Italian. Open to qualified undergraduates and to graduate students.

Prerequisite: Open to students who have passed at least Italian 36, or by permission of the instructor.

***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 semester of Italian 97 is required of concentrators in their sophomore year.

***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. EXAM GROUP: Spring: 13, 14

Note: Successful completion of one semester 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 semester of Italian 99 is required of all honors concentrators.

Cross-listed Courses

***Freshman Seminar 27. Boccaccio's *Decameron* and the Birth of the Novella**
Literature and Arts A-26. Dante's *Divine Comedy* and Its World

For Undergraduates and Graduates

[Italian 102. History of the Italian Language]

Catalog Number: 0341

Half course (fall term). Hours to be arranged.

Italian (like French, Spanish, Portuguese, etc.) is, effectively, Modern Latin. How did Italian, and the numerous dialects of Italy, come about? The course will look at the emergence of the new languages from Spoken Latin, but will also consider the influence of foreign cultures, such as those of Germanic invaders, and discuss the origin of selected words. After an introduction to historical Phonetics and Grammar, we shall study some early texts, both literary and "everyday" ones, and then follow the development of the Italian language and the fierce debates about its form from the Renaissance to the present.

Note: Expected to be given in 2003–04.

[Italian 120a. Dante's *Inferno*]

Catalog Number: 1186

Lino Pertile

Half course (fall term). Hours to be arranged.

Introduces students to Dante's *Divine Comedy*, an Italian poem that for centuries has occupied a special position in the cultural life of the West, continues today to be a source of inspiration for artists, and is an object of intense interest for scholars all over the world. While concentrating on the close study of the *Inferno* against the background of medieval Italy, the course attempts to account for the poem's enduring presence in our time.

Note: Expected to be given in 2002–03. Conducted in English.

[Italian 120d. Dante's *Purgatorio* and *Paradiso*]

Catalog Number: 2558

Lino Pertile

Half course (spring term). Hours to be arranged.

Dante's *Divina Commedia*. A continuation of Italian 120a.

Note: Expected to be given in 2002–03. Conducted in English.

Italian 123. Semantics of Desire: The Erotic Theme in Dante's Poetry

Catalog Number: 8912

Lino Pertile

Half course (spring term). Th., 2:30–5. EXAM GROUP: 16, 17, 18



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: Conducted in Italian. Reading knowledge of Italian essential.

[Italian 140. The Novella from Boccaccio to the Storytellers of the 16th Century]

Catalog Number: 4689

Franco Fido

Half course (fall term). Hours to be arranged.

Focus on the flowering of a "genre" peculiar to the Italian literary tradition: the *novella* or short story in prose, from its glorious inception in Boccaccio's *Decameron* to the works of the best storytellers in the 14th, 15th, and 16th centuries, such as Sacchetti, Masuccio Salernitano, Bandello, Lasca, Straparola. Selected tales by these and other authors will be studied for their artistic quality, and as a mirror of the varied, colorful life of Italian society between the Middle Ages and the Renaissance.

Note: Expected to be given in 2002–03. Conducted in English or Italian.

Italian 144. Life and Comedy in the Renaissance

Catalog Number: 3790

Franco Fido

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

At the same time highly stylized and sharply naturalistic, 16th-century Italian comedy provides in its variety a rich reflection and a poignant criticism of Renaissance life and ideas. Readings will go from Ariosto's "modernization" of classical models (*Cassaria*, *Lena*) and Machiavelli's notorious *Mandragola* to the rustic and brutally realistic farces of Ruzante and the apocalyptic (but savagely funny) indictment of contemporary culture in the *Candelaio* of Giordano Bruno.

Note: Conducted in English or Italian.

[Italian 155. Machiavelli and Guicciardini]

Catalog Number: 1220

Franco Fido

Half course (fall term). Hours to be arranged.

Niccolò Machiavelli and Francesco Guicciardini—the greatest political thinker and the greatest historian of the sixteenth century in Europe—were among the sharpest witnesses of the climax and decline of Renaissance civilization. Their works and ideas will be studied and discussed in the context of Italian history and culture of early Cinquecento. Readings will include *Il Principe*, *I discorsi*, *I ricordi*, and excerpts from the *Storia d'Italia*.

Note: Expected to be given in 2002–03. Conducted in English.

[Italian 192. Pirandello and the European Stage of the 20th Century]

Catalog Number: 7782

Laura Benedetti

Half course (spring term). Hours to be arranged.

Poet, novelist, playwright, as well as recipient of the 1934 Nobel prize, Luigi Pirandello is best



known for his long-lasting influence on 20th-century European theater. The course examines the main themes of Pirandello's multi-faceted production, and their relationship with the contemporary development of European literature and theater.

Note: Expected to be given in 2002–03. Conducted in English.

[Italian 193. Literature and Fascism]

Catalog Number: 0981

Lino Pertile

Half course (spring term). Hours to be arranged.

To what extent did Italian culture contribute to, and how was it affected by, the rise and consolidation of Fascism? How did Italian writers, artists, and intellectuals react and adapt to the Fascist regime? This course aims at providing an understanding of the culture of the 1920s and 1930s while focusing on some major literary works of the period.

Note: Expected to be given in 2002–03. Conducted in English.

Prerequisite: Reading knowledge of Italian.

[Italian 194. Bella ciao!: Women's Identities in 20th - Century Italy]

Catalog Number: 1329

Laura Benedetti

Half course (spring term). Hours to be arranged.

The turn-of-the-century struggle for electoral rights, the Fascist celebration of motherhood as women's sole mission, the post-war years, feminism and its revisions: we will explore how these and other historical and cultural factors shaped the notion of woman throughout 20th- Century Italy. Novels by Aleramo, De Céspedes, Banti, Fallaci and others; movies by Visconti, Scola, and Archibugi.

Note: Expected to be given in 2002–03. Conducted in English.

Italian 195. The Post War Novel

Catalog Number: 1502

Lino Pertile

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Aims at providing a critical understanding of some major novels published in Italy since 1945.

Authors considered will include Cesare Pavese, Italo Calvino, Giuseppe Tomasi di Lampedusa, Leonardo Sciascia, Dacia Maraini. The focus of the course will be on the changing relationship between writer and society in the past fifty years of Italian history.

Note: Conducted in English.

Prerequisite: Reading knowledge of Italian required.

Italian 198. Italo Calvino: The Poetics of Lightness

Catalog Number: 0358

Laura Benedetti

Half course (fall term). Tu., Th., at 2:30. EXAM GROUP: 16, 17

Nonexistent knights, cloven viscounts, cosmicomics, the geography of the city and the universe: the production of the most experimental Italian writer of the 20th century engages in a dialogue with literary tradition, investigates the links between literature and science, and reflects on the mechanisms of textual creation and consumption. In the first of the Norton lectures that he was



going to deliver at Harvard in 1985, Calvino described his working method as one involving “the subtraction of weight.” The course explores the author’s “poetics of lightness” through a thorough analysis of his work, from the war novel *The Path to the Spider’s Nest* (1947) to the textual adventures of *If in a Winter Night a Traveler* (1979).

Note: Conducted in English. Readings available both in the original and in translation.

Cross-listed Courses

Linguistics 110. Introduction to Linguistics

[*Visual and Environmental Studies 152br. Italian Cinema: History, Geography, and Identity]

Primarily for Graduates

[Italian 230. Petrarca and the Divided Self]

Catalog Number: 5548

Lino Pertile

Half course (spring term). Hours to be arranged.

Studies Petrarch’s vernacular poetry in the cultural context of Trecento Italy with particular reference to Dante and the *dolce stil nuovo*. The stylistic and linguistic features of Petrarch’s *Rime* are analyzed in depth while their philosophical aspects are related to some of Petrarch’s Latin works, especially the *Secretum*.

Note: Expected to be given in 2002–03. Competence in the Italian language is required.

[Italian 235 (formerly 135). Boccaccio and the Birth of Novella]

Catalog Number: 6488

Franco Fido

Half course (fall term). Hours to be arranged.

Boccaccio’s writings from the early Neapolitan works to the *Decameron*, with special attention to Boccaccio’s narrative poetics and techniques, in the context of 14th-century life and culture.

Note: Expected to be given in 2002–03. Conducted in Italian.

Italian 249. From Love to Madness: Orlando’s Journey in Boiardo and Ariosto

Catalog Number: 8320

Laura Benedetti

Half course (fall term). M., 2–4:30. EXAM GROUP: 7, 8, 9

The course follows Orlando’s development, while examining issues crucial to Renaissance culture, such as virtue, fortune, authority, and gender relations.

Note: Conducted in Italian.

Italian 259. Torquato Tasso and the Age of Crisis

Catalog Number: 1549

Laura Benedetti

Half course (spring term). Tu., 1:30–4. EXAM GROUP: 15, 16, 17

The last great author of the Italian Renaissance lived in a time of cultural and spiritual turmoil, when religious concerns and critical considerations were seeking to impose strict limitations on



artistic freedom. While focusing on Tasso's masterpiece *Gerusalemme liberata*, the course also explores Tasso's theory of the epic and his late, desperate attempt to provide with the *Gerusalemme conquistata* a new kind of poem, in line with Catholic orthodoxy, Aristotelian principles and, ultimately, with the poet's own conscience.

Note: Conducted in Italian.

Italian 260r (formerly Italian 270r). Italian Literature Seminar: Manzoni e il romanzo italiano moderno

Catalog Number: 0694

Franco Fido

Half course (spring term). W., 2:30–5. EXAM GROUP: 7, 8, 9

Topic for 2001-02: Alessandro Manzoni's works from his early poetry and theater to his novel *Promessi Sposi* in the context of 19th-century literary discussions on Romanticism, the novel, and the question of the Italian language.

Note: Conducted in Italian.

Italian 280r. Italian Literature Seminar: La "Nuova Letteratura" del Settecento: Parini e Alfieri

Catalog Number: 4251

Franco Fido

Half course (fall term). W., 1:30–4. EXAM GROUP: 6, 7, 8

Major works of Italian Enlightenment studied in their peculiarities vis-à-vis the more radical dispositions of French *philosophes*: moderation, concreteness, fidelity to the classical heritage in the poetry of Giuseppe Parini (*Il Giorno*, the *Odi*); uncompromising longing for freedom and authenticity in Vittorio Alfieri's *Tragedie*, and *Vita*.

Note: Conducted in Italian. Reading knowledge of Latin and/or French desirable.

[Italian 281r. Italian Literature: Seminar]

Catalog Number: 1140

Franco Fido

Half course (spring term). Hours to be arranged.

Topic for 2003-04: Goldoni e il teatro comico del Settecento.

Note: Expected to be given in 2003–04.

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

Laura Benedetti 1327, Franco Fido 2446, and Lino Pertile 3416

***Italian 330. Direction of Doctoral Dissertations**

Catalog Number: 3679

Laura Benedetti 1327 (on leave 2002-03), Dante Della Terza 1461, Franco Fido 2446, and Lino Pertile 3416



Latin American Studies

Primarily for Undergraduates

Latin American Studies 30. Introduction to Quechua

Catalog Number: 5999

José Antonio Mazzotti and staff

Half course (spring term). Tu., Th., 1–3. EXAM GROUP: 15, 16

A basic introductory course to the language of the Incas, now spoken by more than 12 million people in Colombia, Ecuador, Peru, Bolivia and northern Chile and Argentina. Quechua is a language of simple structures but multiple expressive possibilities, with a longstanding tradition of poetry, music, and drama. This course is ideal for anyone interested in doing research on the Andean area and communicating with indigenous communities in South America. It will cover approximately two-thirds of the material of a first-year Quechua course.

Note: Conducted in Quechua. No knowledge of a Romance language is necessary.

Latin American Studies 70. Introduction to Latin American Studies

Catalog Number: 3379

José Antonio Mazzotti

Half course (spring term). M., W., 3–4:30. EXAM GROUP: 8, 9

Focuses on reading, films and music from the different Latin American regions. Concentrates on the diversity, coexistence and divergence of ethnic traditions within national spaces. This is a highly interdisciplinary course to introduce students to the complexity of contemporary Latin American societies and their problems.

Note: Conducted in Spanish, with some readings, lectures and discussions in English. Required for concentrators in Latin American Studies.

[Latin American Studies 71. Latin American Film]

Catalog Number: 6755

José Antonio Mazzotti

Half course (spring term). Hours to be arranged.

Will present and analyze some representative films of the main Latin American schools of cinema: the Brazilian Cinema Novo, the Argentine Tercer Cinema, the Cuban Cinema de la Revolucion and Mexican post-revolutionary film. The purpose is not only to familiarize the students with prestigious directors such as Glauber Rocha, Fernando Solanas, Tomás Gutiérrez Alea, Emilio “Indio” Fernández, and others like Jorge Sanjinés, Carlos Diegues, Armando Robles Godoy and Francisco Lombardi, but also with the social, political and cultural contexts of their work.

Note: Expected to be given in 2002–03.

[Latin American Studies 72. “The Books of the Jungle”: Amazonian Literatures]

Catalog Number: 7271

José Antonio Mazzotti

Half course (spring term). Hours to be arranged.

The importance of the Amazonian rain forest is evident not only to ecologists and biologists. There is a large corresponding literary production in the countries that share this privileged



environment. This course will examine some key canonical works (chronicles on El Dorado and the Amazon river, *La vorágine*, *Los pasos perdidos*, *El hablador*, *Macunaíma*) as well as mythical narratives by the indigenous people like the Machiguenga, the Shipibo, the Bora, the Tupí, etc. It will also analyze the different perspectives they propose on the assimilation of the Amazonian jungle to their sense of local and national identities.

Note: Expected to be given in 2002–03. Conducted in Spanish. Readings in Spanish and Portuguese.

Cross-listed Courses

***Freshman Seminar 25. Colonizing the Americas**

***Freshman Seminar 56. The Contemporary Latin American Political and Economic Landscape**

Portuguese

The foreign language requirement may be met by passing a special Portuguese Examination set by the Department of Romance Languages and Literatures. The examination will be given by Dr. Patricia Sobral at a time to be arranged.

Primarily for Undergraduates

Portuguese A. Elementary Portuguese

Catalog Number: 7130

Patricia Sobral and staff

Full course (indivisible). M. through F., at 12. EXAM GROUP: 5, 14

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; not open to auditors.

Portuguese Ac. Elementary Portuguese for Spanish Speakers

Catalog Number: 0430

Patricia Sobral and staff

Half course (fall term). Section I: M., W., F., at 12; Section II: M., W., F., at 1. EXAM GROUP: 5

An introductory language course designed for students with native or near-native fluency in Spanish. 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.

Prerequisite: Native or near-native fluency in Spanish.

Portuguese Ad. Elementary Portuguese for Spanish Speakers

Catalog Number: 1315

Patricia Sobral and staff

Half course (spring term). Section I: T., Th., 11:30-1; Section II: T., Th., 1-2:30. EXAM

GROUP: 13, 14

A continuation of Portuguese Ac. By the end of the second semester, students should be able to communicate easily with native speakers and be acquainted with basic elements of Luso-Brazilian culture.

Prerequisite: Portuguese Ac or permission of instructor.

Portuguese Ba. Introduction to Portuguese

Catalog Number: 0514

Patricia Sobral and staff

Half course (spring term). Section I: M., W., 3-5; Section II: M., W., 5-7. EXAM GROUP: 7, 8

A basic introductory course for students who can devote only one semester to the study of Portuguese. Teaches fundamental communication skills—understanding, speaking, reading and writing—but does not offer a complete study of grammar.

Portuguese Ca. Intermediate Portuguese I

Catalog Number: 7692

Patricia Sobral and staff

Half course (fall term). Tu., Th., 11:30-1, plus an additional hour to be arranged. EXAM

GROUP: 13, 14

Develops facility in oral expression, writing, and reading. Compositions, class discussions, and oral reports based on modern short stories and newspaper and magazine articles. Grammar review, exercises in vocabulary building.

Note: Conducted in Portuguese. Especially recommended for those students who wish to improve their ability to speak and write Portuguese. May not be taken Pass/Fail.

Prerequisite: Portuguese A or permission of instructor.

Portuguese Cb. Intermediate Portuguese II

Catalog Number: 2799

Patricia Sobral and staff

Half course (spring term). Tu., Th., 11:30-1, plus an additional hour to be arranged. EXAM

GROUP: 13, 14

A continuation of Portuguese Ca.

Note: Conducted in Portuguese. May not be taken Pass/Fail.

Prerequisite: Portuguese Ca or permission of instructor.

Portuguese 37. Brasil hoje: Contemporary Brazilian Culture through Media

Catalog Number: 5024

Patricia Sobral

Half course (fall term). Tu., Th., 2:30-4. EXAM GROUP: 16, 17



An exploration of contemporary Brazil as presented in the Portuguese-language press, television, literature, and film. Students will read current issues of newspapers and magazines and see videotapes of Brazilian television and films, covering a broad spectrum of viewpoints and interests. The study of various aspects of life in Brazil today, such as education, family structures, and politics. A systematic grammar review is included.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken SAT/UNS by GSAS students.

Prerequisite: Portuguese Ca/Cb or permission of the instructor.

Portuguese 38. Images of Brazil: Contemporary Brazilian Cinema

Catalog Number: 8893

Patricia Sobral

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An exploration of the various images of Brazilian culture and society as seen and created within Brazil as well as abroad. This course will enable students to investigate current trends in contemporary Brazil through the eye of the camera. Students will watch and read the latest film and written materials produced in Brazil. Topics discussed include ethnic and national identity, race relations, and gender representation. A systematic grammar review is included.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken SAT/UNS by GSAS students.

Prerequisite: Portuguese Ca/Cb or permission of the instructor.

[Portuguese 51. Journey Through Brazil: Advanced Writing and Reading in Portuguese]

Catalog Number: 0863

Patricia Sobral

Half course (spring term). Hours to be arranged.

An advanced course in Portuguese that takes the student on a journey through Brazil as seen through the eyes of several contemporary Brazilian writers and thinkers. The course will also look at views of Brazil from the outside, i.e., Brazilians writing about their country and experiences from abroad. Class materials will include novels, short stories, essays, interviews and other texts drawn from journalism and anthropology. Special emphasis will be paid to stylistic variations, lexical nuances, and complex grammatical structures. Frequent written and oral assignments.

Note: Expected to be given in 2002–03.

***Portuguese 91r. Supervised Reading and Research**

Catalog Number: 5589

Patricia Sobral 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

Joaquim-Francisco Coelho and members of the Department and Tutorial Board.

Half course (fall term; repeated spring term). Hours to be arranged.



Successful completion of one semester of Portuguese 97 is required of all concentrators in their sophomore year.

***Portuguese 98 (formerly *Portuguese 98r). Tutorial — Junior Year**

Catalog Number: 8667

Joaquim-Francisco Coelho and members of the Department and Tutorial Board.

Half course (fall term; repeated spring term). Hours to be arranged.

Successful completion of one semester of Portuguese 98r is required of all honors concentrators.

To enroll see course head.

***Portuguese 99. Tutorial — Senior Year**

Catalog Number: 8753

Joaquim-Francisco Coelho and members of the Department and Tutorial Board.

Full course. Hours to be arranged.

For honors seniors writing a thesis. Successful completion of one semester of Portuguese 99 is required of all honors concentrators. To enroll see course head.

For Undergraduates and Graduates

Portuguese 121a. Introduction to the Literature of Brazil I

Catalog Number: 5164

Joaquim-Francisco Coelho

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A survey of the development of Brazilian literature from colonial times to the present. Emphasis on major authors (Gregório de Matos, Gonçalves Dias, Machado de Assis, Drummond de Andrade, Clarisse Lispector, Cecília Meireles, Guimarães Rosa, Ferreira Gullar).

Portuguese 121b. Introduction to the Literature of Brazil II

Catalog Number: 4363

Joaquim-Francisco Coelho

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A continuation of Portuguese 121a.

[Portuguese 122b. Introduction to the Literature of Portugal II]

Catalog Number: 3654

Joaquim-Francisco Coelho

Half course (spring term). Hours to be arranged.

A continuation of Portuguese 122a.

Note: Expected to be given in 2002–03.

Primarily for Graduates

Portuguese 219ar. Major Poems of the Portuguese Language I

Catalog Number: 2192

Joaquim-Francisco Coelho

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8



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.
Note: The class is conducted in Portuguese.

Portuguese 219br. Major Poems of the Portuguese Language II

Catalog Number: 3242

Joaquim-Francisco Coelho

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

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.

Note: Taught in Portuguese.

[Portuguese 227. Fernando Pessoa]

Catalog Number: 7375

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2002–03. Conducted in Portuguese and English.

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

Joaquim-Francisco Coelho 7715

***Portuguese 321. Literature of Brazil: Supervised Reading and Research**

Catalog Number: 5933

Joaquim-Francisco Coelho 7715

***Portuguese 330. Direction of Doctoral Dissertations**

Catalog Number: 4072

Joaquim-Francisco Coelho 7715, Luis Fernández-Cifuentes 2091 (on leave 2001-02), Bradley S. Epps 2880, Mary Gaylord 2632 and Doris Sommer 2744 (on leave 2001-02)

Romance Languages

See also courses in Linguistics.

Primarily for Graduates

Romance Languages 200. Theory and Practice of Language Teaching

Catalog Number: 2825

Judith Frommer



Half course (fall term). W., 4–6. EXAM GROUP: 9

An exploration of the multiple aspects of language teaching, including past and present methodologies; the nature of language learning in relation to listening, speaking, reading, and writing; the teaching of literature; intercultural understanding; computer-assisted instruction and technology; and testing. Applicable to any language.

Note: Open to qualified undergraduates. Offered jointly with the Graduate School of Education as H-750.

Cross-listed Courses

Linguistics 110. Introduction to Linguistics

Romance Studies

Primarily for Undergraduates

Romance Studies 91r. Supervised Reading and Research

Catalog Number: 8210

Bradley S. Epps

Half course (fall 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

Bradley S. Epps and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one semester of Romance Studies 97 is required of all concentrators in their sophomore year.

***Romance Studies 98. Tutorial—Junior Year**

Catalog Number: 5203

Bradley S. Epps and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one semester of Romance Studies 98 is required of all honors concentrators in their junior year.

***Romance Studies 99. Tutorial—Senior Year**

Catalog Number: 1067

Bradley S. Epps and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: Weekly individual instruction. Successful completion of one semester of Romance Studies 99 is required of all honors concentrators. To enroll see the Undergraduate Advisor in Romance Studies.

For Undergraduates and Graduates



[Romance Studies 120. Emergence of the Lyric Subject in Early Romance Poetry (12th to 16th Centuries)]

Catalog Number: 8861

Mary Gaylord

Half course (spring term). Hours to be arranged.

If “in the beginning was the Word” and if “the Word was God”, how could human subjects define themselves in words? We will discuss subjectivity as it emerges in the rich traditions of Romance vernacular poetry, first in the Iberian peninsula and Southern France, later in Northern France and Italy. Works studied include love songs, political poems, death laments, female-voiced poems, meta-poetry. Authors include Alfonso X, Guilhem de Peitieu, Contessa de Dia, Berceo, Rutebeuf, Petrarca, Christine de Pizan, Manrique, Encina, Villon, Gil Vicente, Ausias March, Garcilaso de la Vega, Labbé.

Note: Expected to be given in 2002–03. Conducted in English; texts in original and translation. Meets the sophomore tutorial requirement for Romance Studies concentrators.

Prerequisite: Reading knowledge of one Romance language.

Romance Studies 125. Uses of Story in Early Romance Literature

Catalog Number: 7400

Mary Gaylord and Laura Benedetti

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Why do tellers tell tales, and what do tales tell about tellers and their worlds? Course studies short narrative forms of the 13th-17th centuries: folktales, fairy tales, fables, *fabliaux*, *facetiae*, jokes, *exempla*, lives, saints’ lives, the novella. Discussion focuses on narrative techniques (plotting, voicing, framing) and their strategic uses in authors and authors and texts including *Renard, or the Fox*, *The Golden Legend*, Berceo, Juan Manuel, Boccaccio, Lopes, Bandello, Marguerite de Navarre, Cervantes, Zayas, Perrault.

Note: Taught in English. Readings in original languages with English translations. Meets the sophomore tutorial requirement (Romance Studies 97) for Romance Studies concentrators.

Romance Studies 196. Other Romances: Literature, Cinema, and Queerness

Catalog Number: 0971

Bradley S. Epps

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Examines the relations between aesthetic production and non-normative sexual practices and desires in selected modern Spanish, French, Portuguese, Latin American, Catalan, and Italian fictions and films. Basic theoretical texts will supplement our readings of such authors as Sade, Verlaine, Genet, Goytisolo, Pessoa, Caminha, Riera, Arenas, Sarduy, Puig, Peri Rossi, Gide, Rachilde, Yourcenar, Wittig, Lorca, Guibert, and others. Films by Pasolini, Almodovar, Babenco, etc. will also be included.

Cross-listed Courses

Spanish

The term “placement score” or “placement test” below and in the various course descriptions



refers to the Spanish placement test given during Freshman Week for freshmen and usually on Registration Day for returning students. All students with some previous Spanish in secondary school are required to take the Placement Test.

Students who receive a grade of 5 in the College Board Advanced Placement Examinations in Spanish may take Spanish courses numbered 40 to 90 or, if recommended, middle-group courses in Spanish and Hispanic-American literature. For details, see the pamphlet *Advanced Standing at Harvard College* or apply to the Director of the Program of Advanced Standing.

Primarily for Undergraduates

Spanish A. Elementary Spanish

Catalog Number: 4684

Johanna Damgaard Liander and staff

Full course (indivisible). Fall: M. through F., at 9, 10, 11, 1, or 2. Spring: M., W., F., at 9, 10, 11, 1, or 2. EXAM GROUP: 10

A complete basic Spanish course for students with little or no knowledge of Spanish. Primary aim is for students to achieve a satisfactory command of the language. Emphasis on speaking the language, and, in the spring term, more emphasis on reading and writing, introducing Hispanic culture and civilization through selected articles from the Spanish and Latin American press; readings by Borges, García Márquez, Pablo Neruda, and others; and use of computer, video, and film materials.

Note: Conducted largely in Spanish. May not be taken Pass/Fail. Students remain in the same section the entire year. Students whose placement score does not entitle them to enter a more advanced course are assigned to Spanish A. Students should section for the course 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.

***Spanish Bab. Intensive Elementary Spanish: Special Course**

Catalog Number: 5577 Enrollment: Limited to 15 students per section.

Johanna Damgaard Liander and staff

Full course (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, 11

For students who have had no previous formal or informal training in Spanish. Emphasis on communication skills. Language instruction supplemented by cultural and literary readings, film, computer, and video materials.

Note: May not be used to fulfill the language requirement and may not be taken Pass/Fail. Spanish Bab does not section. Interested students should fill out the on-line request form on the



Spanish Bab website by the end of the fall term examination period.

Prerequisite: An advanced knowledge of at least one foreign language, preferably a modern Romance language. Not open to freshmen.

Spanish Ca. Intermediate Spanish I

Catalog Number: 5914

Nina C. de W. Ingrao and staff

Half course (fall term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 11; Section IV: M., W., F., at 1. EXAM GROUP: 10

For students with an elementary knowledge of Spanish who wish to improve their mastery of the language. Emphasis is placed on developing oral skills, as well as reading and writing. Carefully selected readings and related activities respond to a wide variety of interests: current events and issues as well as short stories by Cervantes, Borges, Cortázar, Rulfo, Matute, Isabel Allende. At the end of the Ca-Cb sequence the student 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. Students should section online for the course on the Spanish Ca website.

Prerequisite: Open to students who have passed Spanish A, or who have a placement score of 500 on the SAT II test or on the Harvard Placement Test or 3 years of Spanish in high school, or by permission of the instructor.

Spanish Cb. Intermediate Spanish II

Catalog Number: 6874

Nina C. de W. Ingrao and staff

Half course (spring term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 11; Section IV: M., W., F., at 1. EXAM GROUP: 10

Emphasis on oral communication, with continued practice in reading and writing. Class discussions focus on the Hispanic culture, art, and literature. Authors include Ana María Matute, Borges, García Márquez, Don Juan Manuel, Unamuno. Special listening materials used for insight into the 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. Students should section online for the course on the Spanish Cb website.

Prerequisite: Spanish Ca or permission of the instructor.

Spanish 27. Spanish Oral Survival Course

Catalog Number: 5358

Nina C. de W. Ingrao and staff

Half course (fall term; repeated spring term). Section I: M. through F., at 9; Section II: M. through F., at 12; Section III: M. through F., at 1. EXAM GROUP: 10

To develop individual oral fluency in Spanish, while introducing students to attitudes, values, and cultural patterns of contemporary life in Spain and Latin America. Students are provided with continual opportunities to act out typical situations they would encounter in a Spanish-



speaking environment. Although oral proficiency is not a prerequisite, course is best suited to students who already have a good grounding in the grammar of the language.

Note: Conducted in Spanish. May not be taken Pass/Fail. Students should section online for the course on the Spanish 27 website.

Prerequisite: A placement score of 600-659 on the SAT II test or the Harvard Placement test, or permission of the instructor.

Spanish 30. Oral Expression: Temas de actualidad

Catalog Number: 0479

Nina C. de W. Ingraio and staff

Half course (fall term; repeated spring term). Section I: M., W., F., at 12; Section II: M., W., F., at 1. EXAM GROUP: 5, 6

Intended for students who want to learn to communicate in Spanish at a more sophisticated level. Discussions on topics of current interest are based on Spanish and Latin American films, literary selections, and the press.

Note: Conducted in Spanish. May not be taken Pass/Fail. Students should section online for the course on the Spanish 30 website.

Prerequisite: Open to students who have taken Spanish 27, or by permission of the instructor.

Spanish 35. Upper-Level Spanish I: Cuatro países latinoamericanos

Catalog Number: 7127

Johanna Damgaard Liander and staff

Half course (fall term). Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 1. EXAM GROUP: 10

Designed to develop fluency and accuracy in speaking, writing, and reading through a focus on contemporary Argentina, Columbia, Peru and Guatemala. Cultural, literary and historical readings, as well as films, will be studied and discussed. A review of selected grammar is also included.

Note: Conducted entirely in Spanish. May not be taken Pass/Fail. Students should section for the course on the Spanish 35 website.

Prerequisite: Spanish Cb, Spanish 27, Spanish 30, or a placement score of 660 on the SAT II test or the Harvard Placement test, or permission of the instructor.

Spanish 36. Upper-Level Spanish II: Cultura urbana actual

Catalog Number: 7095

Johanna Damgaard Liander and staff

Half course (spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 1. EXAM GROUP: 10

A language/culture course which will focus on contemporary life in the large cities of Spain, Cuba, Puerto Rico and Mexico. Through newspaper articles, music, literature and film we will examine the cultural and historical aspects particular to each of these areas as well as the elements of the modern Hispanic world that they share, with the ultimate goal of consolidating students' fluency and accuracy in speaking, writing and reading Spanish, while providing contact with the varied cultures and accents of Madrid, Barcelona, Havana, San Juan and Mexico City. Selective review of Spanish grammar, as well.

Note: Conducted entirely in Spanish. May not be taken Pass/Fail. Students should section the



course on the Spanish 36 website.

Prerequisite: Spanish 35, a placement score of 660 on the SAT II test or the Harvard Placement test, or permission of the instructor.

Spanish 38. Spanish and the Community

Catalog Number: 8789 Enrollment: Limited to 12.

Johanna Damgaard Liander and staff.

Half course (spring term). M., W., F., at 10 plus 2 hours of service per week. EXAM GROUP: 3

An advanced language course which examines the Latin American and Latino experience in the United States, Spanish 38 will promote community engagement as a vehicle for greater linguistic fluency and cultural understanding. Students will be placed with community organizations and agencies within the Greater Boston area. Classwork focuses on readings and films by and about Latin Americans in the United States and specific uses of Spanish language from these communities. Authors to be read include Reinaldo Arenas, Junot Díaz, Sandra Cisneros, Ilán Stavans, Silvana Paternostro, Edumundo Paz Soldán and Ricardo Armijo. Frequent written assignments and a final paper will be required.

Note: Interested students must apply in writing BEFORE Winter Recess to Dr. Liander.

Prerequisite: Spanish 35, 36 or a score of 690 on SAT II or Harvard Placement test.

***Spanish 41. Spanish for the Bilingual**

Catalog Number: 7690

Nina C. de W. Ingraio

Half course (fall term). M., W., F., at 12 and an additional hour to be arranged. EXAM GROUP: 5

For bilingual students needing practice in reading, writing, and grammar. Class discussions explore the common thread of the Hispanic culture among the people from all the Spanish speaking countries, including the Hispanics in the United States. Readings and discussions include Hispanic art and literature: Picasso, El Greco, Velázquez, Goya, Rivera, Siqueiros, Don Juan Manuel, Borges, García Márquez, Rulfo, Matute.

Note: Conducted in Spanish. May not be taken Pass/Fail.

Spanish 42. Advanced Spanish for the Bilingual

Catalog Number: 1880

Nina C. de W. Ingraio

Half course (spring term). M., W., F., at 12 and an additional hour to be arranged. EXAM GROUP: 5

Designed for bilingual students with some formal training in Spanish grammar and writing. Aims at further developing and refining reading, writing, and oral skills in standard Spanish, including review of grammar as needed. Class discussions and written assignments are based on short stories, (Cervantes, Cortázar, Anderson Imbert, Vargas Llosa, Martí, García Márquez, Sábato, Carlos Fuentes), two short novels by Unamuno, as well as other writings covering relevant cultural issues, and films.

Note: Conducted in Spanish. May not be taken Pass/Fail.

Prerequisite: Spanish 41 or permission of the instructor.



Spanish 43. Twentieth-Century Latin American Short Story

Catalog Number: 6794

Ernesto E. Guerra

Half course (spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 11. EXAM GROUP: 3

An advanced language and culture course that focuses on short stories by some of the most important Latin American writers of the twentieth century. The course is designed to develop oral and written proficiency in Spanish through the discussion of works by Jorge Luis Borges, Julio Cortázar, Gabriel García Márquez, and others in their social, historical and cultural context.

Note: Conducted in Spanish.

Prerequisite: Spanish 35 or 36, or a placement score of 710 on the SAT II test or the Harvard Placement test.

Spanish 44. Contemporary Spanish Film

Catalog Number: 5058 Enrollment: Limited to 35.

Johanna Damgaard Liander

Half course (spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 11. EXAM GROUP: 3

An advanced language/culture class that develops proficiency in all skills. Examines major films of Luis Buñuel, Carlos Saura, Pedro Almodóvar, and others in historical, political, and social context. Class discussion also focuses on interviews, reviews, screenplays, and critical articles. Frequent written assignments and a thorough review of advanced grammar when necessary.

Note: Conducted in Spanish. May not be taken Pass/Fail. This course is not open to native speakers of Spanish.

Prerequisite: Spanish 35 or 36, or a placement score of 710 on the SAT II test or the Harvard Placement test.

***Spanish 45. El español de los negocios**

Catalog Number: 3731

Nina C. de W. Ingrao and staff

Half course (fall term; repeated spring term). M., W., 1–2:30, or M., W., 2:30–4. EXAM GROUP: 6, 7

An advanced language course that aims to refine linguistic skills and develop a sophisticated style for the business, legal, and professional setting, with emphasis on vocabulary, syntax, and idiomatic usage. Attention to writing style in business letters, reports, and other documents. Participation in forming and operating a mock corporation. Discussion of articles and cultural patterns relating to business and society in Hispanic countries and in the United States. The textbook covers fundamental business concepts, but no technical background is required.

Note: Conducted in Spanish. May not be taken Pass/Fail. Students should section online for the course on the Spanish 45 website.

Prerequisite: Spanish 36, 42, or 44, or permission of the instructor.

Spanish 48. Perspectives on Mexico

Catalog Number: 5426 Enrollment: Limited to 35.

Johanna Damgaard Liander

Half course (fall term). Section I: M., W., F., at 10; Section II: M., W., F., at 11. EXAM GROUP:



3

An advanced language/culture class focusing on 20th-century Mexico as seen through the works of several Mexican women (Antonieta Rivas Mercado, Frida Kahlo, Rosario Castellanos, Elena Poniatowska, María Novaro, and others). Class materials will include interviews and other selections from the press, films, paintings, as well as literary and historical readings. Frequent written and oral assignments, and a thorough review of grammar, when necessary.

Note: Conducted in Spanish. May not be taken pass/fail.

Prerequisite: Spanish 35 or 36, or a placement score of 710 on the SAT II test or the Harvard Placement test.

***Spanish 53. Taller de escritura**

Catalog Number: 2439 Enrollment: Limited to 15.

Ernesto E. Guerra and staff.

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

This course is designed to strengthen and develop students' competence in written expression. Through close reading of poems, short stories and plays, students will learn different styles in creative, argumentative, and analytical writing. Special emphasis will be placed on stylistic variations, lexical nuances, complex grammatical structures, and basic analytic tools to approach different literary genres. Students' work will be discussed in class and in private conferences.

Note: Conducted in Spanish.

Prerequisite: Open to students with a Harvard Placement score of 750, or by permission of the instructor. Recommended for concentrators and joint concentrators.

Spanish 54. Advanced Oral Expression

Catalog Number: 3964 Enrollment: Limited to 15.

Ernesto E. Guerra

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Designed for students interested in perfecting their oral Spanish in order to improve their comprehension, fluency, syntactic accuracy and pronunciation. The course aims to fine-tune listening comprehension; to develop linguistic skills in presenting oneself, expressing emotion, debating, negotiating, counseling, persuading, etc.; and to improve pronunciation (practice of sounds, intonation and rhythm). Authentic materials in print or on audio or video cassettes will be used as models. In addition to practical, corrective work, students will participate in a theatrical production as a final class project.

Note: Conducted in Spanish.

Prerequisite: Open to students with a score of 750 on the Harvard Placement test or who have successfully completed a 40- or 50- level course in Spanish, or with the permission of the instructor. Recommended for concentrators and joint concentrators.

Spanish 70a (formerly Spanish 100a). Hispanic Literature: The Middle Ages

Catalog Number: 1587

Luis M. Girón Negrón

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Major works and authors of pre-modern Hispanic literature from the Cantar of mio Cid to the Celestina. Texts also include: Gonzalo de Berceo, Milagros de nuestra Senora; Juan Ruiz, Libro de buen amor; Juan Manuel, El Conde Lucanor; the Spanish Romancero; Jorge Manrique,



Coplas a la muerte de mi padre; Juan de Mena, Laberinto de fortuna; and Diego de San Pedro, Carcel de amor.

Note: Conducted in Spanish. Required of concentrators in Spanish in their sophomore year.

[Spanish 70b. Golden Age Literature]

Catalog Number: 1229

Luis M. Girón Negrón

Half course (fall term). Hours to be arranged.

Introduction to the genres of poetry, drama and narrative prose (fiction and non-fiction) of Spain in the 16th and 17th centuries. Close reading of representative texts with attention to the emerging literary languages of this period of national consolidation, global expansion, religious ferment, and tensions of a multicultural society. Explores themes of love, honor, identity, war, death, spirituality in works by Garcilaso, San Juan de la Cruz, Cervantes, Quevedo, Calderón, and others.

Note: Expected to be given in 2002–03. Conducted in Spanish.

Spanish 71a (formerly Spanish 101a). Spanish American Literature from the Colony to Independence

Catalog Number: 4319

José Antonio Mazzotti

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Survey of readings from the chronicles of discovery and conquest (Bernal Díaz, Cortés, Las Casas, Cabeza de Vaca), through colonial classics (Inca Garcilaso, Sor Juana), to the poetry and prose of the Independence (Viscardo, Bolívar, Bello).

Note: 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.

Spanish 71b. From Modernism On: Survey of Nineteenth- and Twentieth-Century Latin American Literature.

Catalog Number: 6700

Luis E. Cárcamo-Huechante

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course will introduce students to Spanish-American literature from the end of the nineteenth to the late twentieth century, aiming to analyze and discuss how different literary genres register and at the same time produce major metaphors of the economic, social, and cultural imagination of Latin American societies. Readings include works by Rúben Darío, José Martí, Delmira Agustini, Vicente Huidobro, Jorge Luis Borges, Gabriela Mistral, Pablo Neruda, José María Arguedas, Octavio Paz, Gabriel García Márquez, Ernesto Cardenal, Alejandra Pizarnik, Ana Lydia Vega, among others.

Note: Conducted in Spanish.

Prerequisite: Required for concentrators in Hispanic Literatures and Hispanic Studies (as an alternative to Spanish 71a).

[Spanish 90h. Indigenismos]

Catalog Number: 8790



José Antonio Mazzotti

Half course (spring term). Hours to be arranged.

An examination of so-called “indigenista” literature in Latin America, from its very beginnings in the 16th century to the poetry and novels of the 20th century. How were indigenous groups and ethnic nations characterized by the first Spanish colonizers and how have these images been transformed and used as tools for the modernizing nation-building process of the past century? How have Aztecs, Incas, Mayans and their descendants been re-accommodated into Latin American “imagined communities”? And how have these native peoples managed to undermine the dominating use of the letter by incorporating their own tonalities and cultural familiarities into the national literatures of their countries? This course will answer such questions through an interdisciplinary analysis of early chronicles and the works of José Carlos Mariátegui, Agustín Villoro, Guillermo Bonfil, Jorge Icaza, José María Arguedas and others.

Note: Expected to be given in 2002–03. Conducted in Spanish.

[Spanish 90j. Lorca, Buñuel, Dalí]

Catalog Number: 0841

Bradley S. Epps

Half course (spring term). Hours to be arranged.

Examines the rise and fall of the avant-garde, and in particular surrealism, in and out of Spain, by focusing on the writings, films, and artworks of three of the most “international” Spanish artists of the 20th century. Special attention paid to questions of gender and sexuality; tradition and revolution; commercialization and experimentation; scandal and conformity; war, memory, and imagination; travel and/or exile (in Mexico, France, and the United States).

Note: Expected to be given in 2002–03. Conducted in Spanish. No prior knowledge of theory required.

Spanish 90m. Imagining Latin Americas: Neruda, Paz, Garcia Márquez

Catalog Number: 8609

Luis E. Cárcamo-Huechante

Half course (fall term). M., W., 1–2:30.

This course will analyze the work of three major twentieth-century writers: Pablo Neruda, Octavio Paz, and Gabriel García Márquez. We will examine the ways in which their writings imagine both Latin America and the Americas in general. Special emphasis will be placed on the modern dimension of their literary registers—poetry, novel, short story, and essay—as well as on the location of the writer as a “public intellectual” in the Latin America of the 1950s, 1960s, and 1970s. Films will also be included in course analysis.

Note: Conducted in Spanish.

Spanish 90n. Spanish American Culture and Society in the Sixties

Catalog Number: 6133

Diana Sorensen

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An examination of a decade marked by modernization and utopia. We will study the cultural impact of the Cuban Revolution, the Student Movements of 1968 and the Massacre of Tlatelolco, the “Boom” and some of its key figures (Borges, Cortázar, Fuentes, Donoso). Cultural and contextual forces reviewed in fiction, poetry, essays, films, magazines, protest songs, and



testimonio\.

Note: Conducted in Spanish.

***Spanish 91r. Supervised Reading and Research**

Catalog Number: 1586

José Antonio Mazzotti and members of the Department and Tutorial Board.

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Spanish 97. Tutorial—Sophomore Year**

Catalog Number: 2315

José Antonio Mazzotti

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Theory and Praxis of Hispanic Poetry. Examines some of the major poems of the Spanish language, from those by Garcilaso de la Vega and Gongora to those by Neruda, Vallejo, Cernuda, Parra and late twentieth-century authors. The aim is to train students in close reading and in the application of different critical and theoretical trends, such as stylistics, semiotics, structuralism, post-structuralism, cultural heterogeneity, hybridism and postcolonial theory.

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.

***Spanish 98. Tutorial-Junior Year**

Catalog Number: 5511

José Antonio Mazzotti and members of the Department and Tutorial Board.

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one semester of Spanish 98 is required of all honors concentrators in their junior year.

***Spanish 99. Tutorial — Senior Year**

Catalog Number: 5867

José Antonio Mazzotti 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 semester of Spanish 99 is required of all honors concentrators. To enroll see the Undergraduate Advisor in Spanish.

Cross-listed Courses

[Literature and Arts C-47. Language, Literature, and Power in the Early Modern Hispanic World (1492–1700)]

For Undergraduates and Graduates

Spanish 120. Medieval Spain in the Poem of the Cid

Catalog Number: 1579



Luis M. Girón Negrón

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

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: Conducted in Spanish.

[Spanish 123. The Honor Stage: Identity, Community, Nation in Early Modern Spanish Drama]

Catalog Number: 2080

Mary Gaylord

Half course (fall term). Hours to be arranged.

This course studies the powerful but elusive ethos of “Honor” as it informs the literary imagination of Spain during the 16th and 17th centuries. With readings in law, ethics, anthropology and history, we consider the personal and communal risks and benefits the honor code entailed, and ask why the theme demanded dramatic and poetic form. Authors studies include Juan de la Cueva, Lope, Cervantes, Tirso, Alarcon, Calderon.

Note: Expected to be given in 2002–03.

Spanish 124. Don Quixote

Catalog Number: 1378

Mary Gaylord

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Close reading of “the first modern novel.” Considers Cervantes’ masterpiece as critical response to developments in European literature and aesthetic theory, to religious and political thinking, to 16th-century historiography, and to the discursive practices of imperial Spain.

Note: Conducted in Spanish.

[Spanish 132. Andean Voices, European Writing]

Catalog Number: 1471

José Antonio Mazzotti

Half course (spring term). Hours to be arranged.

Will examine the transformative process of historiographic and literary production within the Andean context during the 16th and 17th centuries. How did the Incas manage to survive and remodel some dominant practices of representation? What cultural paradigms about the Indians were established then and have prevailed until today? The course will answer such questions through multidisciplinary analysis of works by Betanzos, Titu Cussi, Cieza de León, Guaman Poma de Ayala, the Huarochiri Manuscript, Inca Garcilaso de la Vega, and contemporary visual documentaries.

Note: Expected to be given in 2003–04. Conducted in Spanish. Text translations into English are available.

Spanish 133. The Novel of the Mexican Revolution: The Construction and Destruction of a Canon

Catalog Number: 2378

Margo Glantz

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7



The revolution changes the concept of country and of writing, and of the dictatorship of Porfirio Diaz at the end of the nineteenth century. The story is simultaneously constructed by the armed conflict and produces a model of complex narrative, incorporating different types of discourse (historical, journalistic, testimonial, autobiographical, and family chronical). When the revolution turns into a government, the narrative discourse is codified, and, during the middle of the twentieth century, a parodic literature caricatures the canon and exposes its political pretenses.

[Spanish 165. Bilingual Arts]

Catalog Number: 3062

Doris Sommer

Half course (spring term). Hours to be arranged.

Bilingual practices are everywhere, though we are just beginning to address them in academic disciplines. We will explore the aesthetic dimensions of bilingualism, and some effects in related areas, including politics, language philosophy, and psychology. How do bilingual language games increase political flexibility, or threaten personal or national coherence? Topics will include 1) formalist appreciations; 2) exile as incitation to write; 3) Gains and Losses of heteroglossia; 4) Hybrid Games; 5) Political dialogues; 6) Code-Switching and Creativity; 7) Bilingual Theater, Music and Film; 8) The art of translation; 9) Bicultural Spaces. Readings in prose and poetry by international authors and theorists. Taught weekly, including guest lectures by, and discussions with, anthropologists, linguists, writers, and cultural critics who have worked on this subject.

Note: Expected to be given in 2002–03. Regular classes alternate with guest lectures and end with a small symposium or conference. Course taught in coordination with Prof. Isabell de Courtivron (MIT). Conducted in Spanish and English.

[Spanish 170. Modernism and Modernity in Spain and Latin America]

Catalog Number: 6007

Bradley S. Epps

Half course (fall term). Hours to be arranged.

Examines the development and dissemination of the modernist (or rather modernista) movement in a contested Hispanic realm, with special emphasis on Latin America and Catalunya. Includes work by Darío, Martí, Silva, Gutiérrez Nájera, Rusiñol, Català, Bertrana, Maragall, Valle-Inclán, Julián del Casal, Lugones, Machado, etc. Special attention to questions of (inter)nationality and visual production.

Note: Expected to be given in 2002–03.

Spanish 172. Barcelona, fin-de-siècle

Catalog Number: 4211

Bradley S. Epps

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Examines the construction, expansion, and transformation of Barcelona as cultural capital of Catalunya and as site of political and aesthetic experimentation. Drawing on creative writing, criticism, painting, sculpture, architecture, and urban planning at the end of both the 19th and 20th centuries (the first marked by the loss of Spanish colonies and the second by the consolidation of democracy after Franco's dictatorship), we explore national identity and



nationalism; bilingualism and biculturalism; and the relations between art and economics, political conformity and resistance. Works by Cerdà, Almirall, Aribau, Verdaquer, Maragall, Rusiñol, Prat de la Riba, d'Ors, Rodoreda, Monzó, Miró, Dalí, Tàpies, Guinovart, Mariscal; Gaudí, Puig i Cadafalch, Domènech i Montaner, Bofill.

Note: Conducted in Spanish.

Spanish 176. Visions of War in Modern Spanish Culture

Catalog Number: 0175

Antonio Monegal

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An examination of the role played by the discourse of war in the culture of modernity, and the way literature and the visual arts have addressed the problem of representing the experience of violence and horror. The course focuses on a variety of 20th-century conflicts, such as the Spanish Civil War, World War II and Bosnia, viewed through a selection of Spanish cultural products: novels, memoirs, documentary and fictional film, painting, photojournalism and comics.

Note: Conducted in Spanish.

[Spanish 186. Tobacco and Sugar]

Catalog Number: 1141

Doris Sommer

Half course (fall term). Hours to be arranged.

“The Cuban Counterpoint Between Tobacco and Sugar” (1940) by Fernando Ortiz will be the guide for considering the esthetic and historical experiments throughout the Spanish Caribbean. The different crops produced different political and cultural responses. Along with a general view of musical forms and plastic arts, and political developments, we will concentrate on literary works that include Cecilia Valdés, and other abolitionist novels, the Dominican Over and La charca from Puerto Rico, as well as writing by Hostos and Bonó among many others.

Note: Expected to be given in 2002–03. Conducted in Spanish.

Spanish 187. Literary Imagination, Cultural Discourse, and Market Society in Late Twentieth-Century Latin America

Catalog Number: 8881

Luis E. Cárcamo-Huechante

Half course (spring term). Tu., Th., 12:30–2. EXAM GROUP: 14, 15

This seminar aims to analyze and discuss literature (novel, short story, poetry, urban chronicle) and cultural critique texts that deal with the issue of market culture at the end of twentieth century, in the face of “neomodernization” in Latin American societies and the flow of commodities and images at a global scale. Authors, mostly from Argentina, Chile, Peru, and Mexico, include Néstor García Canclini, Beatriz Sarlo, Nelly Richard, Carlos Monsiváis, Enrique Lihn, Diamela Eltit, Ricardo Piglia, Pedro Lemebel, Luis Zapata, Cristina Civalé, Alberto Fuguet, and Oscar Malca, among others.

Note: Conducted in Spanish.

Spanish 195. Outside and After the Latin American Literary “Boom”

Catalog Number: 1027



Luis E. Cárcamo-Huechante

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This seminar will approach those other trajectories with respect to the Latin American literary scene of the second half of the twentieth century by exploring authors, works and contexts situated “outside” and “after” the so called Latin American “Boom.” Authors to be read are Juan Carlos Onetti, Jose María Arguedas, Julio Ramón Ribeyro, Jorge Edwards, Elena Poniatowska, Manuel Puig, Severo Sarduy and Clarice Lispector, including critical and theoretical discussion of their particular modes of reinventing language, and constructing aesthetic and cultural imagination.

Note: Conducted in Spanish.

Cross-listed Courses

Comparative Literature 111. From Type to Self in the Middle Ages

[Comparative Literature 112. Religion and Literature in the Middle Ages]

Primarily for Graduates

[Spanish 201. The History of the Spanish Language]

Catalog Number: 5610

Half course (fall term). Hours to be arranged.

A general survey of the development of the Spanish language from Latin to the present.

Interdisciplinary approach.

Note: Expected to be given in 2002–03. Conducted in Spanish.

[Spanish 268. A Rhetoric of Particularism]

Catalog Number: 0612

Doris Sommer

Half course (spring term). Hours to be arranged.

Some texts resist “competent” readers with barriers that more reading will not overcome. Anglo as well as Latin Americans (Morrison, Menchú, Garcilaso, Rodriguez, Poniatowska, among others) use various strategies to defend difference, as a kind of strategic essentialism, and to raise concerns about the hermeneutic project. Primary texts alternate with interpretive theories.

Note: Expected to be given in 2002–03. Conducted in English.

Spanish 269. Sor Juana’s Word, Knowledge, Pleasures and Pain

Catalog Number: 4352

Margo Glantz

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

We will study her work as a continuum, through the characteristic affinities and consistencies in La casa del respeto and La casa del placer. Characteristics include: the sacred, the profane, life in the convent and at court, the metropolitan royalty and the vice royalty. The dialogical relationships the nun established with her various interlocutors make her work a gigantic epistolary collection, an obvious aspect of her famous “Letters,” but less obvious in her poetry and drama.



Spanish 271. Hispanic Poetry and the Visual Arts

Catalog Number: 6694

Antonio Monegal

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This seminar studies the theoretical implications of the exchanges and correspondences between contemporary Hispanic poetry, painting and cinema, and the influence of the visual arts in configuration of the poetics of the literary avant-garde.

Note: Conducted in Spanish.

Spanish 274. Don Quixote: Graduate Seminar

Catalog Number: 7275

Mary Gaylord

Half course (fall term). Tu., 6–8:30 p.m. EXAM GROUP: 18

Considers Cervantes' masterpiece as creative response to developments in European literature aesthetic theory, theology and ascetic thought, historiography, and discursive practices of empire. Surveys major critical readings and literary theories inspired by Don Quixote.

Note: Conducted in Spanish.

Spanish 280r. Memory, History and Fiction in Spanish American Writing: Seminar

Catalog Number: 5926

Diana Sorensen

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A theoretical study of three categories and their distinctions in the construction of national identities, the past, and traumatic events. Topics include the historical novel, the fictions of autobiography, the writing of history, and works about the desaparecidos.

Note: Conducted in Spanish.

Spanish 282r. Graduate Seminar: Don Quixote's Library

Catalog Number: 3114

Mary Gaylord

Half course (spring term). F., 2–5. EXAM GROUP: 7, 8, 9

A study of works destroyed, banished or celebrated in the famous book-burning episode, along with others alluded to in Cervantes' novel. This course uses the Knight's reading as mirror of his "madness," as partial key to the author's intertextual practice and his parodic agenda, and as window onto early modern literary and cultural horizons. Readings in chivalric, pastoral, Moorish romance; ballads, courtly verse, epic verse; wonder books, poetics; serious and burlesque historiography; Don Quixote.

[Spanish 285ar. Spanish Literature: Seminar]

Catalog Number: 4099

Luis Fernández-Cifuentes

Half course (fall term). Hours to be arranged.

Topic for 2002-03: Galdos and the City

Note: Expected to be given in 2002–03. Conducted in Spanish.



[Spanish 286r. Spanish Literature: Seminar]

Catalog Number: 6920

Luis M. Girón Negrón

Half course (spring term). Hours to be arranged.

Topic for 2003-04: *Autobiography in pre-modern Spain. It has been argued that the poetic “I” in medieval writing is not a literary vehicle for individual self-representation, but only an archetype of the human. Seminar examines this thesis against rise of autobiographical writing and pre-modern adumbrations of the novel in medieval Spanish literature through the 16th century. Readings from Alfonso X, Jaume I, Juan Ruiz, Juan Manuel, Santob de Carrión, Pero Tafur, Ruy González de Clavijo, Fernando de Rojas, Teresa de Ávila, Alonso de Contreras, Bernal Díaz and Lazarillo. Theoretical texts by Spitzer, Lejeune, Zumthor, DeCerteau and Walker Bynum.*

Note: Expected to be given in 2003–04.

Spanish 287r. Spanish Literature Seminar: Realism and Its Avatars

Catalog Number: 4779

Bradley S. Epps

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Examines the role the “real” in Spanish narrative fiction written in the four major languages of Spain (Castilian, Basque, Catalán, Galician) from the late nineteenth century to the present.

Works by Clarín, Galdos, Pardo Bazan, Narcis Oller, Victor Català, Valle-Inclán, Baroja, Sanchez Ferlosio, Rodoreda, Martin Santos, Benet, Riera, Rivas and Atxaga.

Note: Conducted in Spanish.

Spanish 295r. Graduate Seminar on Poetry and Nation in Spanish America

Catalog Number: 1310

José Antonio Mazzotti

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Focuses on some of the foundational Spanish American poems from the sixteenth to the twentieth centuries. Special attention will be given to poetic formulations of creole ethnic nationhood (Bernardo de Balbuena, Pedro de Peralta), early nation building (Bello, Olmedo, Heredia) and postcolonial discourses of social order. Will also examine key authors like Martí, Darío, Vallejo and Neruda by making use of a dialogic framework and a comparative approach in light of other (Brazilian, Asian, African) postcolonial contexts.

Note: Conducted in Spanish.

Cross-Listed Courses

***Comparative Literature 210. Comparative Themes in the Literatures of Medieval Spain: Seminar**

[*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

Joaquim-Francisco Coelho 7715, Bradley S. Epps 2880, Luis Fernández-Cifuentes 2091 (on leave 2001-02), Mary Gaylord 2632, Luis M. Girón Negrón 3060, José Antonio Mazzotti 3083, and Doris Sommer 2744 (on leave 2001-02)

***Spanish 330. Direction of Doctoral Dissertations**

Catalog Number: 2143

Joaquim-Francisco Coelho 7715, Bradley S. Epps 2880, Luis Fernández-Cifuentes 2091 (on leave 2001-02), Mary Gaylord 2632, Luis M. Girón Negrón 3060 (on leave spring term), Francisco Márquez 5064, José Antonio Mazzotti 3083 (on leave spring term), and Doris Sommer 2744 (on leave 2001-02)

Russia, Eastern Europe, and Central Asia

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Standing Committee on the A.M. in Regional Studies—Russia, Eastern Europe, and Central Asia

Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies
(Chair) (on leave 2001-02)

Svetlana Boym, Professor of Slavic Languages and Literatures and of Comparative Literature
(on leave spring term)

Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures (on leave fall term)

Patricia R. Chaput, Professor of the Practice of Slavic Languages (on leave 2001-02)

Grzegorz Ekiert, Professor of Government (on leave 2001-02)

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology, Associate of Adams House

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

Yoshiko M. Herrera, Assistant Professor of Government (on leave fall term)

Eric Lohr, Assistant Professor of History (on leave 2002-03)

John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures (on leave spring term)

Terry D. Martin, John L. Loeb Associate Professor of the Social Sciences

Stephanie Sandler, Professor of Slavic Languages and Literatures (on leave 2002-03)

Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History (on leave fall term)

William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature

Martin L. Weitzman, Ernest E. Monrad Professor of Economics



Other Faculty Offering Instruction in Regional Studies— Russia, Eastern Europe, and Central Asia

Svetlana Boym, Professor of Slavic Languages and Literatures and of Comparative Literature
(*on leave spring term*)

Bear F. Braumoeller, Assistant Professor of Government

Sue Brown, Associate Professor of Slavic Languages and Literatures (*on leave 2002-03*)

Stephen E. Hanson, Visiting Associate Professor of Government

Janos Kornai, Allie S. Freed Professor of Economics (*on leave fall term*)

Patricia E. Powell, Briggs-Copeland Lecturer on English and American Literature and Language

Jeffrey D. Sachs

Stephanie Sandler, Professor of Slavic Languages and Literatures (*on leave 2002-03*)

Andrei Shleifer, Professor of Economics (*on leave 2002-2003*)

Cindy Skach, Assistant Professor of Government

Justin Weir, Assistant Professor of Slavic Languages and Literatures (*on leave spring term*)

This is a two-year interdisciplinary program leading to the A.M. degree. For details, see the supplement, “A.M. in Regional Studies—Russia, Eastern Europe, and Central Asia.” 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 international law or for the academic professions. Brochures describing the program and requirements may be obtained from the Davis Center for Russian Studies — 1737 Cambridge Street, Cambridge, MA, 02138.

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, and at MIT and the Fletcher School of Law and Diplomacy. 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. Arrangements may be made for students interested in fields not usually represented in course offerings.

Below is a partial list of relevant courses offered in 2000-2001:

Economics 1530, 2327, 2530a.

Government 1102, 1243, 1780, 2004, 2213, 2784.

History 1502, 1516, 1531, 1542, 2511.

Islamic Civilizations 125.

Russian and other Slavic languages: see Slavic Languages and Literatures.

Languages of Central Asia and the Caucasus: see Near Eastern Languages and Civilizations.



For full course listings and availability, consult individual departmental listings.

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 Regional Studies 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 Regional Studies 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*)

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Culture

Diana L. Eck, Professor of Comparative Religion and Indian Studies (*on leave fall term*)

Rena Fonseca, Lecturer on Sanskrit and Indian Studies

Naseem Akhtar Hines, Preceptor in Urdu-Hindi

P. Oktor Skjaervo, Aga Khan Professor of Iranian

Stanley J. Tambiah, Esther and Sidney Rabb Professor of Anthropology

Shafique Nizarali Virani, Preceptor in Sanskrit and Indian Studies



Stephanie W. Jamison, Gardner Cowles Associate Professor of Sanskrit and Indian Studies
(*Head Tutor and Director of Graduate Studies*)
Michael Witzel, Wales Professor of Sanskrit

Other Faculty Offering Instruction in the Department of Sanskrit and Indian Studies

John B. Carman, Parkman Professor of Divinity and Professor of Comparative Religion (*Divinity School*)
Pramod Chandra, George P. Bickford Professor of Indian and South Asian Art
William A. Graham, Jr., Albertson Professor of Middle Eastern Studies and Professor of the History of Religion
C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology
Richard H. Meadow, Senior Lecturer on Anthropology
Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature
Calvert Watkins, Victor S. Thomas Professor of Linguistics and the Classics
Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies

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.

Indian Studies

Primarily for Undergraduates

[*Indian Studies 91r. Supervised Reading and Research](#)

Catalog Number: 0247

Stephanie W. Jamison 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

Stephanie W. Jamison and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators in the Indian Studies option.

[*Indian Studies 99. Tutorial — Senior Year](#)

Catalog Number: 6111

Stephanie W. Jamison and members of the Department

Full course. Hours to be arranged.

Note: Required of concentrators in the Indian Studies option.



Cross-Listed Courses

**[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]
Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage**

For Undergraduates and Graduates

[Indian Studies 111. Literary Cultures of India: An Introduction to the Study of South Asia]

Catalog Number: 5599

Half course (fall term). Hours to be arranged.

An introduction to the study of South Asia through its literary institutions, authors, and texts. Focusing on classic texts from both the pre-modern and modern periods, the class will examine the place of literature in South Asian cultures, and especially in the religious and political life of India. A major theme of the course will be the interaction of cosmopolitan literatures written in languages like Sanskrit, Persian, and English, and those literatures written in regional languages like Hindi, Bengali, and Tamil.

Note: Expected to be given in 2002–03. Given in alternate years. All readings are in English translation.

[Indian Studies 112. Major Themes in Modern Indian History]

Catalog Number: 6068

Rena Fonseca

Half course (spring term). Hours to be arranged.

A seminar on the history of India from 1947 to the present. Topics covered: competing visions of the idea of “India”; Partition; scholarly controversies surrounding the role of Gandhi and of Nehru; the rise of religious nationalism and communal violence; ethnic conflicts in Punjab and Kashmir; prospects for democracy and stability in the 21st century. Students will work with various sources, including memoirs, newspaper reports, television documentaries, film, political speeches and interviews, and occasionally a short piece of fiction.

Note: Expected to be given in 2002–03.

Indian Studies 115. Voices of Indian Women in Literature and Film: Seminar

Catalog Number: 3821

Rena Fonseca

Half course (spring term). Th., 1–3 and a weekly film screening to be arranged. EXAM GROUP: 15, 16

The seminar examines major themes in the lives of Indian women through the dual lenses of literature - primarily memoirs and fiction - and film. Women occupy a complex, often contradictory place in Indian society, simultaneously deified and oppressed, able to wield real political power, but also routinely denied healthcare and basic nutrition. How has the diversity and paradox of women’s lives been explored in writings and films about, and by, women?

Topics include: Partition and violence, women’s literacy and fertility, political identities, social activism, arranged marriage and the caste system, dowry deaths, AIDS and the flesh trades, Bollywood and media representations of women, and voices from the Indian diaspora. Students



will read the works of Lahiri, Roy, Tendulkar, Desai and Devi, among others, and will view films by Satyajit Ray, Deepa Mehta, Mira Nair, Anand Patwardhan and Shyam Benegal.

Cross-listed Courses

[*East Asian Buddhist Studies 114. The Mahâyâna in East Asia: Bodhisattvas and Their Cults in Medieval and Early Modern East Asian Buddhism]

***English 90ui. The Indian Novel in English**

Religion 1551. For the Love of God and His Prophet: Literary and Artistic Expressions of Muslim Devotional Life: Seminar

[Religion 1555. Introduction to Islamic Mysticism: The Sufi Tradition]

***Religion 1585. Islam in South Asia: Religion, Culture and Identity in South Asian Muslim Societies**

[Religion 1650. Modern Hindu Movements: Seminar]

Religion 1700. Introduction to Buddhism

Primarily for Graduates

[Indian Studies 201. Materials and Methods of Indian Studies: Proseminar]

Catalog Number: 5406

Michael Witzel and members of the Department

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

[Indian Studies 203. Select Topics: Survey of Middle Indic Languages and Literatures]

Catalog Number: 3570

Stephanie W. Jamison

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 2002–03.

Prerequisite: One year of Sanskrit.

Indian Studies 205a. South Asia as Understood Through Its Regions I: Seminar

Catalog Number: 0460

Michael Witzel

Half course (fall term). Hours to be arranged. EXAM GROUP: 2, 3

Based on the premise that the diversity of South Asian civilizations can best be approached and understood through an in-depth study of a particular region. Discussion of geography, history, religion, language, literature, art, religion, anthropology, society, and politics of the chosen region. Relation and mutual influence between the region and the South Asian subcontinent and with the two supraregional divisions of South Asia, the North and the South. Kashmir and Nepal.

Indian Studies 205b. South Asia as Understood Through Its Regions II: Seminar

Catalog Number: 2317



Michael Witzel

Half course (spring term). Hours to be arranged.

Continuation of Indian Studies 205a.

[Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar]

Catalog Number: 0923

Michael Witzel

Half course (spring term). Hours to be arranged.

An analysis of selected Old Indian (Rgvedic, Brahmana, Epic, Puranic) cosmogonic myths which are contrasted with comparable ones from other Indo-European and Asian traditions. The character and the position in the respective mythological system of the several myths treated are investigated, as well as possible interpretations and an emerging framework for their form, structure, and transmission in (pre-) historical times.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 3840.

[Indian Studies 207a. Understanding Indian Ritual]

Catalog Number: 1214

Michael Witzel

Half course (fall term). Hours to be arranged.

Investigates the indigenous theory and practice of Indian ritual, from its beginnings in the second millennium BCE (Rgveda) to present time. Stress on the development of the Agnihotra and Homa and Puja rituals, with materials from Vedic, Puranic, Tantric, and Buddhist sources, including their use in Bali, Tibet and Japan, and audio-visual materials. Recent theories of ritual will also be discussed. Sanskrit texts are used in translation, while read in original in the tandem course, Sanskrit 214.

Note: Expected to be given in 2002–03.

[Indian Studies 207b. Understanding Indian Ritual]

Catalog Number: 8416

Michael Witzel

Half course (spring term). Hours to be arranged.

Continuation of Indian Studies 207a.

Note: Expected to be given in 2002–03.

[Indian Studies 211. Archaic Indian Religion: The Vedas. Seminar]

Catalog Number: 6441

Michael Witzel

Half course (fall term). Hours to be arranged.

Overview of the oldest form of Indian religion, in the Vedic texts (c. 1500–500 B.C.E.): the mythological system of the Rgveda, the complex array of solemn srauta and domestic rituals (rites of passage), and the transcendental philosophy of the Upanisads. Stresses the coherent *Weltanschauung* underlying all aspects of Vedic thought.

Note: Expected to be given in 2002–03. Knowledge of Sanskrit not required.

[*Indian Studies 216 (formerly Indian Studies 102). Early History of South Asia]

Catalog Number: 4919



Michael Witzel and Richard H. Meadow

Half course (fall term). Hours to be arranged.

Examines the archaeological and literary sources available for the understanding of the early period of Indian history, until ca. 150 B.C.E. Gives a synopsis of evidence relating to the Indus culture (2300–1900). The early Sanskrit and Pali literatures are scrutinized for the clues relating to history, state, and society of Northern India. The course takes into account recent discussions on rewriting early South Asian history from a nationalistic point of view.

Note: Expected to be given in 2002–03.

Cross-listed Courses

[*Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar]

[Iranian A. Old Persian](#)

[Iranian B. Introduction to Avestan](#)

[Linguistics 220ar. Advanced Indo-European](#)

[Persian 140ar. Selected Readings in Classical Persian Literature](#)

[*Religion 1585. Islam in South Asia: Religion, Culture and Identity in South Asian Muslim Societies](#)

Graduate Courses of Reading and Research

***Indian Studies 302. Reading and Research**

Catalog Number: 1405

Ali S. Asani 7739, Diana L. Eck 4514 (on leave fall term), Stephanie W. Jamison 1657, and Michael Witzel 1602

***South Asian Buddhist Studies 303. Reading and Research**

Catalog Number: 3517

Leonard W. J. van der Kuijp 1556

Sanskrit

Primarily for Undergraduates

[*Sanskrit 91r. Supervised Reading and Research](#)

Catalog Number: 5497

Stephanie W. Jamison 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

Stephanie W. Jamison 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.

For Undergraduates and Graduates

Sanskrit 101a. Elementary Sanskrit

Catalog Number: 8140

Stephanie W. Jamison

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Sanskrit 101b. Elementary Sanskrit

Catalog Number: 6892

Stephanie W. Jamison

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Continuation of Sanskrit 101a.

Sanskrit 102a. Intermediate Sanskrit I

Catalog Number: 4843

Stephanie W. Jamison

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Selected readings in verse and prose, drawn primarily from the Epics (Mahabharata and Ramayana) and the Upanisads.

Sanskrit 102b. Intermediate Sanskrit II

Catalog Number: 4916

Stephanie W. Jamison

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Continuation of Sanskrit 102a.

Primarily for Graduates

[Sanskrit 200ar (formerly Sanskrit 200r). Advanced Poetic Sanskrit]

Catalog Number: 3658

Michael Witzel

Half course (fall term). Hours to be arranged.

Texts by Kashmiri authors.

Note: Expected to be given in 2002–03.

[Sanskrit 200br (formerly Sanskrit 200r). Advanced Poetic Sanskrit]

Catalog Number: 6510

Stephanie W. Jamison

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Sanskrit 201br (formerly Sanskrit 201ar). Philosophical Sanskrit

Catalog Number: 5965



Stephanie W. Jamison

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Sanskrit 204ar. Introduction to Vedic Sanskrit and Literature

Catalog Number: 6123

Michael Witzel

Half course (fall term). Hours to be arranged. EXAM GROUP: 7, 8

Introduction to Vedic grammar. Selection of Vedic prose texts from the Yajurveda Samhitas, Brahmanas, Aranyakas and Upanisads. Builds on knowledge of elementary Sanskrit or Old Iranian.

Sanskrit 204br. Introduction to Vedic Sanskrit and Literature

Catalog Number: 8944

Michael Witzel

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Continuation of Sanskrit 204ar.

[Sanskrit 207b. Advanced Mantra Texts]

Catalog Number: 2333

Half course (spring term). Hours to be arranged.

A continuation of Sanskrit 207a.

Note: Expected to be given in 2002–03.

[Sanskrit 208r. Buddhist Hybrid Sanskrit]

Catalog Number: 3997

Leonard W. J. van der Kuijp

Half course (fall term). Hours to be arranged.

Selected readings in Buddhist Sanskrit narrative literature, with an emphasis on introducing varying degrees of “hybridity” in the language.

Note: Expected to be given in 2002–03.

Prerequisite: Two years of Sanskrit.

[Sanskrit 214. Ritual Sutras]

Catalog Number: 6626

Michael Witzel

Half course (fall term; repeated spring term). Hours to be arranged.

Reading and discussion of Sutras and Paddhatis. Selection for 2000-01: Agnihotra, Homa and Puja texts from the Vedas, Puranas, Tantras.

Note: Expected to be given in 2002–03.

Sanskrit 215ar (formerly Sanskrit 215). Dharmasastra and Arthasastra

Catalog Number: 6599

Stephanie W. Jamison

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Readings in legal and political texts.



Graduate Courses of Reading and Research

***Sanskrit 301. Reading and Research**

Catalog Number: 2158

Diana L. Eck 4514 (on leave fall term), Stephanie W. Jamison 1657, P. Oktor Skjaervo 2869, and Michael Witzel 1602

***Sanskrit 310. Direction of Doctoral Dissertations**

Catalog Number: 4371

Diana L. Eck 4514 (on leave fall term), Stephanie W. Jamison 1657, P. Oktor Skjaervo 2869, and Michael Witzel 1602

Pali

For Undergraduates and Graduates

Pali 101a. Introductory Pali

Catalog Number: 4129

*Stephanie W. Jamison and assistant
Half course (spring term). Hours to be arranged.*

Note: Given in alternate years.

Prerequisite: One year of Sanskrit.

[Pali 101b. Introductory Pali]

Catalog Number: 7320

*Stephanie W. Jamison and assistant
Half course (spring term). Hours to be arranged.*

Continuation of Pali 101a.

Note: Expected to be given in 2002–03. Given in alternate years.

Prerequisite: One year of Sanskrit.

[Pali 102a. Intermediate Pali]

Catalog Number: 8376

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

[*Pali 102b. Intermediate Pali]

Catalog Number: 7748

Half course (spring term). Hours to be arranged.

Continuation of Pali 102a.

Note: Expected to be given in 2002–03.

Prerequisite: Pali 102a or equivalent.



[Pali 103r. Readings in Pali]

Catalog Number: 6985

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Graduate Courses of Reading and Research

[*Pali 300. Reading and Research]

Catalog Number: 5391

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Nepali

For Undergraduates and Graduates

Nepali 101. Introductory Nepali

Catalog Number: 3039

Michael Witzel and assistant

Full course (indivisible). Spring: W., at 5:30, M., 7–8:30 p.m. EXAM GROUP: Spring: 18

Urdu and Hindi

For Undergraduates and Graduates

Urdu 101. Introductory Urdu-Hindi

Catalog Number: 4078

Ali S. Asani and Naseem Akhtar Hines (spring term)

Full course (indivisible). M. through Th., (F.), at 2, 3, and 4. EXAM GROUP: 8, 17

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 clips from contemporary Indian cinema.

Note: Not open to auditors.

Urdu 102. Intermediate Urdu-Hindi

Catalog Number: 2941

Ali S. Asani

Full course (indivisible). M., W., F., at 3. EXAM GROUP: 8

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

Ali S. Asani

Half course (fall term). Tu., Th., at 4. EXAM GROUP: 18

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

Shafique Nizarali Virani

Half course (spring term). M., W., at 4. EXAM GROUP: 9

Continuation of Urdu 103a.

Urdu 104. The Classical Urdu Ghazal and Its Symbolism

Catalog Number: 0927

Naseem Akhtar Hines

Half course (spring term). Hours to be arranged. EXAM GROUP: 18

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 omitted in 2002–03.

Prerequisite: Urdu 102 or equivalent.

Urdu 105r (formerly Urdu 103r). Topics in Urdu-Hindi Literature

Catalog Number: 5963

Ali Asani and assistant

Half course (fall term; repeated spring term). Hours to be arranged.

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.

Cross-listed Courses

[Religion 1650. Modern Hindu Movements: Seminar]

Graduate Courses of Reading and Research

***Urdu 300. Reading and Research**

Catalog Number: 2131

Ali S. Asani 7739

Tibetan and Himalayan Studies

Cross-Listed Courses



***Freshman Seminar 88. Topics in Indo-Tibetan Buddhism**
Religion 1708. Issues in Buddhist Philosophy

For Undergraduates and Graduates

Tibetan 101a (formerly Tibetan 122). Elementary Classical Tibetan

Catalog Number: 4132

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Note: This is a prerequisite for Tibetan 102 and 103.

Tibetan 101b (formerly Tibetan 132). Elementary Classical Tibetan

Catalog Number: 5299

Leonard W. J. van der Kuijp and assistant

Half course (spring term). F., 10–12, Tu., 3:30–5. EXAM GROUP: 3, 4, 17, 18

Note: This is a prerequisite for Tibetan 102 and 103.

Prerequisite: Tibetan 101a.

[Tibetan 102a. Intermediate Classical Tibetan]

Catalog Number: 1964

Leonard W. J. van der Kuijp and assistant.

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Tibetan 101a and Tibetan 101b, or equivalent.

[Tibetan 102b. Intermediate Classical Tibetan]

Catalog Number: 5886

Leonard W. J. van der Kuijp and assistant.

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Tibetan 101a and 101b, Tibetan 102a, or equivalent.

[Tibetan 103. Introduction to Pre-Classical Tibetan]

Catalog Number: 7031

Leonard W. J. van der Kuijp

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Tibetan 101a and 101b.

[Tibetan 104a. Elementary Colloquial Tibetan]

Catalog Number: 4158

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.



[Tibetan 104br (formerly Tibetan 104b). Elementary Colloquial Tibetan]

Catalog Number: 7026

Leonard W. J. van der Kuijp and assistant

Half course (spring term). Hours to be arranged.

Continuation of Tibetan 104a.

Note: Expected to be given in 2002–03.

Tibetan 105a (formerly Tibetan 124). Intermediate Colloquial Tibetan

Catalog Number: 1314

Leonard W. J. van der Kuijp and assistant

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Tibetan 105b (formerly Tibetan 134). Intermediate Colloquial Tibetan

Catalog Number: 1151

Leonard W. J. van der Kuijp and assistant

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

[Tibetan 106a. Advanced Colloquial Tibetan]

Catalog Number: 7094

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Tibetan 101 and 102, or equivalent.

[Tibetan 106b. Advanced Colloquial Tibetan]

Catalog Number: 5352

Leonard W. J. van der Kuijp and assistant

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Prerequisite: Tibetan 101 and 102, or equivalent.

[*Tibetan 107. Introduction to the History of Tibetology: Readings in the Secondary Literature]

Catalog Number: 4272

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03. This course is required of all students in the Tibetan and Himalayan Studies Ph.D. Program.

[Tibetan 108 (formerly Tibetan 106). Buddhism in Tibet: Traditional Learning and the Experience of Enlightenment]

Catalog Number: 5604

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03. All readings are in English translation.



Primarily for Graduates

[Tibetan 200a. Classical Poetic Tibetan]

Catalog Number: 7360

Leonard W. J. van der Kuijp

Half course (fall term). Hours to be arranged.

Readings in Tibetan texts on poetic theory based on Indian models, together with illustrations of a number of poetic figures. The main text will be the Tibetan translation of the Kavyadarsa and passages from Tibetan commentaries.

Note: Expected to be given in 2002–03.

[Tibetan 201. Introduction to Philosophical Tibetan]

Catalog Number: 7507

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Hours to be arranged.

Readings in Tibetan grub mtha' literature.

Note: Expected to be given in 2002–03.

Tibetan 202. Readings in Advanced Philosophical Tibetan

Catalog Number: 7601

Leonard W. J. van der Kuijp

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7, 8

This course focuses on the analyses of conceptual knowledge in early Tibetan philosophical texts (1100-1250).

[Tibetan 203a. Readings in Canonical Buddhist Tibetan]

Catalog Number: 7770

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

[Tibetan 204a. Readings in Tibetan Administrative Documents]

Catalog Number: 0254

Leonard W. J. van der Kuijp

Half course (fall term). Hours to be arranged.

Prerequisite for Tibetan 204b

Note: Expected to be given in 2002–03.

[Tibetan 204b. Readings in Tibetan Administrative Documents]

Catalog Number: 7255

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Continuation of Tibetan 204a

Note: Expected to be given in 2002–03.



[Tibetan 205a. Readings in Bilingual Tibetan-Mongol Buddhist Literature]

Catalog Number: 3816

Leonard W. J. van der Kuijp

Half course (fall term). Hours to be arranged.

Prerequisite for 205b

Note: Expected to be given in 2002–03.

[Tibetan 205b. Readings in Bilingual Tibetan-Mongol Buddhist Literature]

Catalog Number: 9070

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Continuation of Tibetan 205a

Note: Expected to be given in 2002–03.

[Tibetan 207a. Readings in Classical Tibetan Scientific Literature]

Catalog Number: 7945

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Indigenous Tibetan grammatical treatises.

Note: Expected to be given in 2002–03.

[*Tibetan 210. Tibetan Epigraphy and Edicts]

Catalog Number: 7374

Leonard W. J. van der Kuijp and assistant

Half course (spring term). Hours to be arranged.

Readings in selected inscriptions from Ladakh, Central Tibet, and Tibeto-Mongol edicts from 1240–1368.

Note: Expected to be given in 2002–03.

[Tibetan 212. Introduction to Tibetan Philology and Textual Criticism]

Catalog Number: 7162

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

Tibetan 215. Introduction to Madhyamika

Catalog Number: 9232

Leonard W. J. van der Kuijp

Half course (fall term). W., 9–12. EXAM GROUP: 2, 3, 4

Tibetan 215b. Introduction to Madhyamika

Catalog Number: 0397

Leonard W. J. van der Kuijp

Half course (spring term). W., 9–12. EXAM GROUP: 2, 3, 4

Continuation of Tibetan 215.

Prerequisite: Tibetan 215.



Tibetan 216. Tibetan Literature Survey

Catalog Number: 5913

Janet Gyatso (Divinity School) and Leonard W. J. van der Kuijp

Half course (spring term). W., 4:30–6:30. EXAM GROUP: 9

This course will introduce students to a wide range of genres and primary resources for the study of history, religion, and literature in Tibetan language. This will include materials that fall outside the rubric of Buddhism.

Note: Offered at the Divinity School as 3564.

Cross-listed Courses

Religion 2705. Buddhist Monastic Law

Graduate Courses of Reading and Research

***Tibetan 300. Reading and Research**

Catalog Number: 0666

Leonard W. J. van der Kuijp 1556

[*Tibetan 302. Direction of A.M. Theses]

Catalog Number: 6927

Leonard W. J. van der Kuijp 1556

Note: Expected to be given in 2002–03.

***Tibetan 305. Tibetan and Himalayan Studies — Reading and Research**

Catalog Number: 4377

Leonard W. J. van der Kuijp 1556

Thai

For Undergraduates and Graduates

[Thai 101a. Introductory Thai I]

Catalog Number: 5395

Michael Witzel and assistant

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03. Given in alternate years.

[Thai 101b. Introductory Thai II]

Catalog Number: 6557

Michael Witzel and assistant

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03. Given in alternate years.

Thai 102a. Intermediate Thai I

Catalog Number: 8582



Michael Witzel and assistant

Half course (fall term). Tu., Th., 5–6:30. EXAM GROUP: 18

A two-term continuation of the study of Thai at the intermediate level. Students will 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. Class time will introduce new vocabulary and grammar through communicative tasks and text readings. The situational-communicative methodology will be used to help students become more fluent in the use of Thai language in communicative situations.

Prerequisite: Successful completion of Elementary Thai (or equivalent) is required. Continuing students who did not take Introductory Thai, as well as new students, should not be intimidated but are encouraged to talk to the instructor prior to registration.

Thai 102b. Intermediate Thai II

Catalog Number: 3751

Michael Witzel and assistant

Half course (spring term). Tu., Th., 5–6:30.

Prerequisite: Thai 102a.

Graduate Courses of Reading and Research

***Thai 300. Reading and Research**

Catalog Number: 5368

Michael Witzel 1602 and assistant

Slavic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Slavic Languages and Literatures

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology, Associate of Adams House (*Chair*)

Alexander Babyonyshev, Preceptor in Slavic Languages and Literatures

Anna Baranczak, Preceptor in Slavic Languages and Literatures

Stanislaw Baranczak, Alfred Jurzykowski Professor of Polish Language and Literature (*on leave 2002-2003*)

Svetlana Boym, Professor of Slavic Languages and Literatures and of Comparative Literature (*Director of Graduate Studies*) (*on leave spring term*)

Sue Brown, Associate Professor of Slavic Languages and Literatures (*Director of*



Undergraduate Studies (fall term)) (on leave 2002-03)

Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures
(Director of Undergraduate Studies (spring term)) (on leave fall term)

Patricia R. Chaput, Professor of the Practice of Slavic Languages *(Director of the Language Program) (on leave 2001-02)*

Ellen Elias-Bursac, Preceptor in Slavic Languages and Literature

Vladimir Y. Gitin, Senior Preceptor in Slavic Languages and Literatures

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

Timothy Crocker Harte, Allston Burr Senior Tutor in Kirkland House, Lecturer on Slavic Languages and Literatures

Roman Koropeckyj, Visiting Associate Professor of Slavic Languages and Literatures
(University of California, Los Angeles) (fall term only)

Tomislav Z. Longinovic, Visiting Associate Professor of Slavic Languages and Literatures
(University of Wisconsin, Madison)

John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures *(on leave spring term)*

Helen Martikainen, Preceptor in Slavic Languages and Literatures

Natalia Pokrovsky, Preceptor in Slavic Languages and Literatures

Alfia A. Rakova, Preceptor in Slavic Languages and Literatures

Natalia Reed, Lecturer on Slavic Languages and Literatures, Lecturer on Slavic Languages and Literature

Stephanie Sandler, Professor of Slavic Languages and Literatures *(on leave 2002-03)*

Alfred Thomas, John L. Loeb Associate Professor of the Humanities, John L. Loeb Associate Professor of the Humanities

William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature

Dubravka Ugresic, Visiting Professor of Slavic Languages and Literatures

Justin Weir, Assistant Professor of Slavic Languages and Literatures *(on leave spring term)*

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.

[Slavic A. Beginning Russian](#)



Catalog Number: 8014

Natalia Reed and others

Full course. Sections I: M., Tu., W., F., at 9; Section II: M., Tu., W., F., at 10; with a fifth hour of speaking practice to be arranged on Thursdays (either 9, 10, 11, or 1). EXAM GROUP: Fall: 2, 11; Spring: 1

Introduction to the essentials of the Russian language, designed for students without previous knowledge of Russian. Intensive speaking practice in grammar structures 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 and others

Full course (fall term; repeated spring term). Meets eight hours per week: Section Meeting Times: Fall: M. through F., at 9; M., W., F., at 10; F., at 1; Th., at 1; Spring: M. through F., at 9; M., W., F., at 9; M., W., F., at 1; and Speaking Practice: M., W., F., at 9 or 1. EXAM GROUP: Fall: 2, 11; Spring: 3, 12

Covers the same material as Slavic A but in one semester.

Note: See sectioning note above.

Slavic Ac. Intermediate Grammar and Vocabulary Review I

Catalog Number: 0496

Alfia A. Rakova

Half course (fall term). M., W., F., at 10, with an additional hour Tu., at 10 or 11. EXAM GROUP: 3

For students who would benefit from additional work on grammar before continuing on to more advanced courses. Oral and written exercises focus on speaking and writing accurately and on developing confidence with vocabulary.

Note: See sectioning note above.

Prerequisite: One or more years of college-level Russian or equivalent and consultation with the instructor.

Slavic B. Intermediate Russian

Catalog Number: 3262

Natalia Reed (spring term) and others

Full course. M., W., F., at 9 or 10 with two additional hours of speaking practice: Tu., Th., at 10, 11, or 1. EXAM GROUP: 1

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 Ba. Intermediate Russian: First Semester

Catalog Number: 0638

Natalia Reed and others

Half course (spring term). M., W., F., at 10, with two additional hours of speaking practice Tu., Th., at 10. EXAM GROUP: 3

Covers the material of the first semester of Slavic B.

Note: See sectioning note above.

Prerequisite: Slavic A, Aab, Ac, or placement at the intermediate level. One year's practice in spoken Russian.

Slavic Bab. Intermediate Russian (Intensive)

Catalog Number: 1657

Helen Martikainen, Vladimir Y. Gitin and others

Full course (fall term; repeated spring term). Meets eight hours per week. M., through F., at 9, with three additional hours of speaking practice M., W., F., at 11. EXAM GROUP: 2, 11

Covers essentially the same material as Slavic B, but in one semester. Readings may vary.

Note: See sectioning note above.

Prerequisite: Slavic A, Aab, Ac, or placement at the intermediate level.

Slavic Ca. Beginning Czech I

Catalog Number: 2173

Natalia Reed and assistant

Half course (fall term). M., W., F., at 10; Th., at 9, and an additional hour for speaking practice to be arranged. EXAM GROUP: 3

An introductory course in modern Czech for students with no previous knowledge of the language. Emphasis on the development of oral proficiency as well as on reading and listening comprehension skills. Written work for practice and reinforcement. Reading of simple poetry and prose.

Slavic Cb. Beginning Czech II

Catalog Number: 7117

Natalia Reed and assistant

Half course (spring term). Th., at 9, M., W., F., at 12, and an additional hour for speaking practice to be arranged. EXAM GROUP: 5, 11

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

Natalia Reed and assistant

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 4

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based on student course proposals.



Note: Interested students should contact Professor Chaput before the first day of class to apply.
No applications accepted after the third day of classes.

Slavic Da. Beginning Polish I

Catalog Number: 8158

Anna Baranczak

Half course (fall term). M., W., F., at 9; M., at 10, 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; M., at 8, and an additional hour for 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

Natalia Reed and assistant

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 4, 5, 6

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based on student course proposals.

Note: Interested students should contact Professor Chaput before the first day of class to apply.
No applications accepted after the third day of classes.

Slavic Ea. Beginning Croatian and Serbian I

Catalog Number: 3163

Ellen Elias-Bursac

Half course (fall term). M., W., F., at 10; Tu., at 12; F., at 11, and an additional hour for speaking practice to be arranged. EXAM GROUP: 3

Formerly called Serbo-Croatian. An introductory course for students with no prior knowledge of these languages. Fundamentals of grammar; work on listening and reading comprehension.

Students will choose either Serbian or Croatian for their oral and written work; listening and reading comprehension will include both variants.

Slavic Eb. Beginning Croatian and Serbian II

Catalog Number: 2683

Ellen Elias-Bursac

Half course (spring term). M., W., F., at 9; Tu., at 12; F., at 10; F., at 12, 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 Croatian and Serbian**

Catalog Number: 7413

Natalia Reed and assistant

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 8, 17
Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based on student course proposals.

Note: Interested students should contact Professor Chaput before the first day of class to apply. No applications accepted after the third day of classes.

Slavic Ga. Beginning Ukrainian I

Catalog Number: 5536

Vladimir Y. Gitin and assistant

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

Natalia Reed and assistant

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 6, 7
Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based on student course proposals.

Note: Interested students should contact Professor Chaput before the first day of class to apply. No applications accepted after the third day of classes.

Slavic 101. Advanced Intermediate Russian: Reading, Grammar Review, and Conversation

Catalog Number: 7234

Alfia A. Rakova

Half course (fall term; repeated spring term). Fall: M., W., F., at 9, with two additional hours of speaking practice Tu., Th., at 10 or 11; Spring: M., W., F., at 9, with two additional hours of speaking practice Tu., Th., at 1. EXAM GROUP: 2



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 by Chekhov and Dostoevsky, poetry, and film.

Note: See sectioning note above.

Prerequisite: Slavic B, Bab, Bb, or placement at this level.

Slavic 102. Advanced Russian: Introduction to the Russian Press and Historical Writing

Catalog Number: 3280

Helen Martikainen

Half course (fall term). M., W., F., at 1; M., at 2, and a fourth hour to be arranged. EXAM GROUP: 6

Introduction to the language of Russian newspapers, journals, historical writing, and TV programming. Basic vocabulary for areas of current interest, including politics, history, economics, political philosophy, and popular culture. Intended for students who desire a professional level of reading proficiency in the topic areas listed. Supplementary work on oral comprehension. One hour per week devoted to discussion of television and reading.

Note: See sectioning note above. Conducted largely in English.

Prerequisite: Slavic 101, 103, 104, or Slavic B, Bb, or Bab with permission of instructor.

Slavic 103. Advanced Russian: Reading, Composition, and Conversation

Catalog Number: 8638

Natalia Pokrovsky

Half course (fall term; repeated spring term). Fall: M., W., F., at 11, with two additional hours of speaking practice Tu., Th., at 1. Spring: M., W., F., at 10, with two additional hours of speaking practice Tu., Th., at 10 or 11. EXAM GROUP: Fall: 2; Spring: 3

Continuing work on vocabulary and grammar centering on verbs and verb government. Readings (a satirical tale by Shvartz, poetry of Akhmatova) and film (Bykov's *Scarecrow*) address personal and social aspects of Soviet totalitarianism.

Note: See sectioning note above. Strongly recommended for students who plan to continue on in Russian.

Prerequisite: Slavic 101, or placement at the 103 level.

Slavic 104. Advanced Russian: Topics in Russian Culture

Catalog Number: 0795

Alfia A. Rakova

Half course (spring term). M., W., F., at 1, with two additional hours of speaking practice to be arranged. EXAM GROUP: 6

Work on vocabulary, reading, and writing with continued emphasis on verbs. Through literature, non-fiction, and film, this course explores and seeks to identify Russian cultural attitudes. Topics include explorations of attitudes toward the individual in society, gender roles, prestige and success, truth and falsehood, and justice and the law.

Note: See sectioning note above.

Prerequisite: Slavic 103, 113 or permission of instructor.



Slavic 109. Theater Workshop

Catalog Number: 1221

Natalia Reed and members of the Department

Half course (fall term). M., W., 2–4. EXAM GROUP: 7, 8

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 110. Russian for Business

Catalog Number: 6212

Helen Martikainen

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Introduction to the language of business, both oral and written, and to the etiquette of business situations. Development of vocabulary in the areas of management, economics, and politics. Discussion of cultural attitudes to business, both unofficial and official. Reading and discussion of articles from current periodicals in the areas of business, economics, and politics.

Note: See sectioning note above.

Prerequisite: Slavic 101, 102, or 103, or permission of instructor.

***Slavic 111. Advanced Russian: Readings in Russian/Post-Soviet Studies**

Catalog Number: 1594

Alexander Babyonyshev and Natalia Pokrovsky

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

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; F., at 2, 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 plus an additional course at the level of Slavic 101 or above, or Slavic 111.



Slavic 113. Advanced Russian: Readings in Russian Literature

Catalog Number: 0955

Natalia Pokrovsky

Half course (fall term). M., W., F., at 1; M., at 2; M., at 3, and an additional hour to be arranged. 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 or 104 or placement at this level or above.

[Slavic 116. Stylistics]

Catalog Number: 3480

Vladimir Y. Gitin

Half course (spring term). Hours to be arranged.

A course in practical stylistics designed to give students a better command of style and register, both for recognition and in their own speaking and writing. The course will cover such topics as conversational speech, formal speech, and such practical tasks as letter writing, among others.

Intensive work on vocabulary and phrasing.

Note: Expected to be given in 2002–03.

Prerequisite: Slavic 121.

***Slavic 117r. Advanced Russian: Special Topics**

Catalog Number: 4671

Alexander Babyonyshev

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Russian/post-Soviet studies, including the political, economical and judicial system, parliamentary and presidential elections, the role of political parties, domestic affairs (including environmental policy), and foreign policy. Special topics include Russia as a federal state, the status of regions and republics, urban and rural areas. Also religions, human rights problems, the new social structure of the society.

Note: See sectioning note above.

Prerequisite: Slavic 111, 112, 119, 120, or permission of instructor.

Slavic 118. Readings in Russian Poetry

Catalog Number: 5356

Natalia Reed and others

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Analysis of selections from Russian poetry from the point of view of language, poetic context, and literary tradition. Fet, Tiutchev, Annensky, Pasternak, Tsvetaeva.

Note: See sectioning note above.

Prerequisite: Slavic 121.

***Slavic 119. Contemporary Issues: Nationalities of the Former Soviet Union**

Catalog Number: 0636

Alexander Babyonyshev



Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

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: See sectioning note above.

Prerequisite: Slavic 102 and 103 or Slavic 111a, 111b, 112, or 120.

***Slavic 120r. Supervised Readings in Advanced Russian**

Catalog Number: 7121

Natalia Reed and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 6

Reading, discussion, and writing on special topics not addressed in other courses. Conducted as a tutorial with topics determined by student interest. Requires a course proposal to apply; acceptance is not automatic.

Note: See sectioning note above. Interested students should contact Professor Natalia Reed 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). M., W., F., at 10. EXAM GROUP: 3

A course designed to further develop students' sensitivity to the reading of literary texts. Topics to include the nature of lexical meaning including both denotation and meaning associations, syntactic meaning, aspects of morphology, word order and intonation, and colloquial language. Texts will include both prose and poetry.

Note: Intended primarily for graduate students in the Slavic Department. See sectioning note above.

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

Sue Brown (fall term), Julie A. Buckler (spring term) and members of the Department

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 96. Tutorial — Sophomore Year**

Catalog Number: 4728

Sue Brown and others

Half course (fall term). Tu., 2–4.

Note: For concentrators in Russian Literature and Culture.



***Slavic 97. Tutorial — Sophomore Year**

Catalog Number: 7595

Sue Brown (fall term), Julie A. Buckler (spring term) and others

Full course. Fall: Tu., 2–4; Spring: Tu., 1–3. EXAM GROUP: Fall: 16, 17; Spring: 15, 16

Note: For concentrators in Russian Studies.

***Slavic 98. Tutorial — Junior Year**

Catalog Number: 1684

John E. Malmstad (fall term) and Justin Weir (spring term)

Full course. W., 2–4.

Note: Required of junior concentrators in Russian Literature and Culture. Other students may enroll for one or both semesters.

***Slavic 99r. Tutorial — Senior Year**

Catalog Number: 5592

Sue Brown (fall term), Julie A. Buckler (spring term) and members of the Department.

Full course. Hours to be arranged.

Note: May be divided upon petition. Students who wish to enroll must obtain the signature of the Director of Undergraduate Studies. If, for any reason, students do not submit an honors thesis, they must hand in a special course paper in order to receive credit for Slavic 99 in the spring term.

Cross-listed Courses

***Freshman Seminar 11. Language, Gender, and Culture**

***Freshman Seminar 38. Soviet and Eastern European “New Wave” Cinema**

***Freshman Seminar 75. Twentieth-Century Russian Poetry**

***Freshman Seminar 91. Films of Sergei Eisenstein**

For Undergraduates and Graduates

[Slavic 125. Modern Russian in Historical Perspective]

Catalog Number: 5646

Sue Brown

Half course (spring term). Hours to be arranged.

Analysis of the irregularities of modern Russian orthography, phonology, morphology, and syntax in light of historical development.

Note: Expected to be given in 2002–03.

Prerequisite: Slavic B, Bab, or placement at the third-year level.

Slavic 126a. Structure of Modern Russian: Phonology and Morphology

Catalog Number: 3083

Sue Brown

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

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.

Prerequisite: Slavic B, Bab or placement at the third-year level. No knowledge of linguistics required.

[Slavic 126b. Structure of Modern Russian: Morphosyntax]

Catalog Number: 3508

Sue Brown

Half course (spring term). Hours to be arranged.

Explores the syntax of Russian from a formal/comparative perspective. After a brief introduction to generative approaches to grammar (in the framework of Noam Chomsky), students perform close readings of important articles in the field of Slavic syntax, in both the traditional and generative frameworks, on such topics as negation, quantifier expressions, agreement, Case marking, reflexives, and interrogation.

Note: Expected to be given in 2002–03.

Prerequisite: Slavic B, Bab, or placement at the third-year level. Linguistics 112a helpful, but not required.

Slavic 130a. Heretics, Hussites, and Holy Women: Identity, Culture, and Society in Medieval and Early-Modern Bohemia

Catalog Number: 1484

Alfred Thomas

Half course (fall term). M., W., (F.), at 11; W., at 12, with a third hour for those who wish to consider the texts in the original. EXAM GROUP: 4

Explores relationship between identity, culture, and society in medieval and, early-modern Bohemia with special emphasis on the “body” in the representation of gender, sexuality, and religion. Texts include: “The Prayer of Kunhuta,” “The Ointment Seller,” “The Life of St. Catherine of Alexandria,” “The Wycliffite Woman,” and Komenský’s “The Labyrinth of the World and the Paradise of the Heart.”

Note: All readings in English.

Slavic 130b. Forging Czechs: Questions of Identity in Modern Czech Culture

Catalog Number: 2258

Alfred Thomas

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Examines emergence of post-1774 Czech cultural and political identity in relation to nationalism, feminism, socialism, and modernism. Texts include the Forged Manuscripts; Mácha’s “May,” Nemcová’s “Granny,” Neruda’s “Lesser Town Tales,” Hasek’s “The Good Soldier Švejk,” Capek’s “R.U.R.,” Kundera’s “The Joke,” and Havel’s “Largo Desolato.”

Note: All readings in English.

Slavic 131. Imagining Prague: The City in Literature, Art, and Film

Catalog Number: 1388

Alfred Thomas

Half course (spring term). M., W., at 1. EXAM GROUP: 6

Like Venice, Prague is as much a state of mind as it is a real place. This course examines the representation of the Czech capital as a nationalist myth, a modernist icon, a surrealist fantasy,



and a totalitarian prison in modern poetry, prose, painting, photography, and cinema. Selected works by Apollinaire, Bachmann, Celar, Germain, Hrabal, Kafka, Kisch, Kundera, Meyrink, Neruda, Nezval, Perutz, Rilke, Seifert, and Tsvetaeva. Includes Paul Wegener's silent film classic "The Golem" and Alexander Hackenschmied's "Aimless Walk."

Note: All readings in English.

[Slavic 132. Czech and Slovak Film]

Catalog Number: 3925

Alfred Thomas

Half course (fall term). Hours to be arranged.

Traces development of Czech and Slovak cinema from the 1930s, through the New Wave of the 1960s to the present. Films include: Machatý's "Erotikon," Weiss's "Romeo, Juliet, and Darkness," Menzel's "Closely Watched Trains," Chytilová's "Daisies," Kadar's "Shop on Main Street," as well as shorts by Hackenschmied and Svankmajer.

Note: Expected to be given in 2002–03. No knowledge of Czech required.

[Slavic 133. Psychoanalytic Approaches to Slavic Literatures]

Catalog Number: 0988

Alfred Thomas

Half course (spring term). Hours to be arranged. EXAM GROUP: 6

Explores "classical" Freudian and post-Freudian psychoanalytic approaches to selected works of 19th- and 20th-century Czech, Polish and Russian literature by Capek, Dostoevsky, Gogol, Kriseová, Kundera, Lem, Mácha, Nemcová, Pushkin, Reymont and Zamyatin with special reference to theoretical readings by Bersani, Borch-Jacobsen, Cixous, Freud, Kristeva, Lacan and others.

Note: Expected to be given in 2002–03. No knowledge of Slavic languages required.

[Slavic 134. Bohemian Rhapsodies: Czech Literature and Music from the Middle Ages to the Present]

Catalog Number: 3101

Alfred Thomas

Half course (fall term). Hours to be arranged.

Czech music is more famous than its literature, yet the two have often coexisted as operatic adaptations of plays and vocal or orchestral settings of lyrical and narrative poems. Addresses creative interplay between word and music in the formation of religious, nationalist and modernist identities with particular reference to texts by Bridel, Capek, Erben, Heyduk, Komenský, Michna z Otradovic, Preissová, Zeyer and the Kralice Bible, and music by Dvorák, Fibich, Foerster, Janáček, Martinu, and Smetana.

Note: Expected to be given in 2002–03. All readings in English. No musical background required.

[Slavic 136. Comparative History of South Slavic Literatures](#)

Catalog Number: 3394

Tomislav Z. Longinović

Half course (fall term). Tu., Th., 10–11:30, and a third hour for those who wish to consider the texts in the original. EXAM GROUP: 12, 13



Surveys the national canons of Serbian, Croatian, Bosnian and Montenegrin literatures from the medieval period until today. Bulgarian, Macedonian and Slovene literatures only mentioned in passing. Texts examined include early chronicles, hagiographies, popular oral tradition, and poetry and prose in the modern period. The comparative nature of the course consists in the in-depth examination of different religious and cultural traditions (Orthodox Christian, Roman Catholic, Islamic, Jewish) in the Balkans.

Note: All readings in English.

Slavic 138. The Fate of “Minor Literatures”

Catalog Number: 3128

Dubravka Ugrešić

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Examines the concept of “minor literature” and explores the ways a literary text can be “used and abused.” Among the issues addressed are the thematization of the notion of minor literature in literary texts, the problem of the changed context of reception, the role of intellectual in minor literatures, and the understanding of literature in general. Discussion is based on close reading of such major southeastern European writers as Miroslav Krleža and Danilo Kis.

[Slavic 140. 18th-Century Russian Literature: Conference Course]

Catalog Number: 6495

Julie A. Buckler

Half course (fall term). Hours to be arranged.

Survey of period literature emphasizing generic diversity and cultural context. Discussion of major intellectual and literary movements, cultural practices, court life, urban landscape, origins and education of the Russian intelligentsia, public and private spheres. Examines European models for Russian literary production and the evolving tradition for Russian literature.

Note: Expected to be given in 2002–03.

Prerequisite: Good reading knowledge of Russian.

[Slavic 142. Authorship and the Post-Revolutionary Russian Novel]

Catalog Number: 5524

Justin Weir

Half course (fall term). Hours to be arranged.

Considers theories of authorship, literary tradition, and the novel in the context of 1920-1950 Russian prose literature, and examines in particular how modernist creations of literary tradition functioned as a means of self-presentation. Essays by Bakhtin, de Man, Foucault, Gadamer, Tynianov, and others. Novels by Bulgakov, Pasternak, and Nabokov.

Note: Expected to be given in 2002–03. All readings in English.

Prerequisite: Good reading knowledge of Russian.

Slavic 143. Russian Formalism

Catalog Number: 0724

Justin Weir

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Considers works of Russian formalist theory by Bakhtin, Eikhenbaum, Jakobson, Shklovsky, Tynianov, and others and their relationship to Russian literature, film, and psychology. Also



evaluates more broadly the role of formalist influences in contemporary literary theory.

Note: All readings in English.

Slavic 145a. Russian Literature in Translation: The 19th-Century Tradition

Catalog Number: 5191

Timothy Crocker Harte

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Examines the major prose works of 19th-century Russian literature, focusing on the development on the Russian novel within the context of romanticism in the first half of the century through later concerns with realism and Russia's pressing social issues. Works by Pushkin, Lermontov, Gogol, Dostoevsky, Tolstoy, and others.

Note: Expected to be omitted in 2002–03.

[Slavic 145b. Russian Literature and Revolution]

Catalog Number: 6663

Justin Weir

Half course (spring term). Hours to be arranged.

Examines the 20th-century Russian literary tradition and its attempts alternately to inspire, record, and undermine the great social upheaval of October 1917. Considers a broad range of modernist literary genres and movements and the official aesthetics of socialist realism. Works by Babel, Bely, Blok, Bulgakov, Gorky, Kataev, Kharms, Mandelshtam, Mayakovsky, Nabokov, Olesha, Pasternak, Platonov, and Solzhenitsyn.

Note: Expected to be given in 2002–03. All readings in English.

Slavic 147. Russian Psychological Fiction: Conference Course

Catalog Number: 6168

Justin Weir

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Considers the central stories and novels that established a Russian tradition of probing the depths of the human mind in and through literature. Works include short stories by Pushkin, Gogol, and others, as well as Dostoevsky's *The Double*, *Crime and Punishment*, Tolstoy's *Anna Karenina*, and Pasternak's *Doctor Zhivago*. Also evaluates three twentieth-century theoretical approaches to psychology and its representation in fiction: Foucault's *Madness and Civilization*, Bakhtin's *Problems of Dostoevsky's Poetics*, and Ginzburg's *On Psychological Prose*.

Note: All readings in English.

Slavic 148. Strange Russian Writers

Catalog Number: 7101

Stephanie Sandler

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Studies tales of rebels, deviants, dissidents, loners, and losers. Mostly fictional texts, with some memoir and poetry, by writers whose projected self-image is self-consciously idiosyncratic, if not bizarre. Includes works by Gogol, Dostoevsky, Leskov, Kharms, Platonov, Nabokov, Sinyavsky, Petrushevskaya, Brodsky. The goal is less to construct a canon of strangeness than to consider how estranged women, men, animals, and objects become the center of narrative or



poetic attention.

Note: All readings in English.

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.

Prerequisite: Good reading knowledge of Russian.

Slavic 155. Dostoevsky

Catalog Number: 6850 Enrollment: Limited to 20.

William Mills Todd III and Robert Nozick

Half course (spring term). M., 4–6. EXAM GROUP: 9

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 (fall 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 2002–03.

Prerequisite: Reading knowledge of Russian desirable but not required.

Slavic 162f. Survey of Polish Literature, 1795–1890

Catalog Number: 1117

Roman Koropeczyj (University of California, Los Angeles) (fall term only)

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Introductory course to analyze selected works from Polish Romantic and Positivist literature, up to the years of anti-Positivist crisis. Special emphasis on representative works for the formation of modern historical consciousness in Polish literature.

Note: No knowledge of Polish required.

[Slavic 162h. Survey of Polish Literature, 1939–Present]

Catalog Number: 3293

Half course (fall term). Hours to be arranged.

Analysis of selected works representing literature of the World War II period, literature written in Poland under Communist rule as well as in exile between 1944 and 1989, and literature of the



most recent years.

Note: Expected to be given in 2002–03. No knowledge of Polish required.

Slavic 162r. Readings in Polish Literature: 1945-2000, Between Literary Tradition and Sociopolitical Realities

Catalog Number: 8395

Anna Baranczak

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

A close-reading course to analyze selected works, in the original, of the Polish post-WWII period. The selection of reading material will range from the Nazi-deathcamp stories of T. Borowski, to excerpted fiction of W. Gombrowicz and S. Lem, to the poetry of C. Milosz, Z. Herbert and W. Szymborska, to the poets of the “Generation ’68” and new fiction in the 90s.

Prerequisite: Reading knowledge of Polish.

Slavic 165. Survey of Modern (19th- and 20th-Century) Ukrainian Literature

Catalog Number: 0410

George G. Grabowicz

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

An introduction to Ukrainian literary and intellectual culture with a special focus on literature as a social and cultural institution, on its central role in articulating ethnic awareness and shaping national identity, and its function, in various periods of Ukrainian history (the late 19th century, the 1920s, the late Soviet period) as the prime medium of political discourse. Students are introduced to films of related interest such as “Shadows of Forgotten Ancestors,” “Arsenal,” “Babyi Yar,” and others.

Note: 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 (spring term). Hours to be arranged.

An examination of the broad gamut of Russian-Ukrainian literary relations from 1798 to 1905, with special focus on canon formation, the formation of ethnic and national identity, the movement from a unified imperial frame to separate national literary contexts, and the interrelation of literature, society, and ideology. Topics include early historicist concerns (the Decembrists), the role of Romantic poetics, folklore and ethnographism, the role of ideology (Belinsky, the Slavophiles, populism), the functions of bilingualism and the uses of translation, the reception of major writers (Gogol, Ševcenko, and others), official suppression and the debate over “Ukrainophilism” and the place of Ukrainian literature within “all-Russian” literature, literature as subversion (*kotljarevscyna*) and as social, political, and aesthetic program.

Note: Expected to be given in 2002–03.

Prerequisite: Reading knowledge of Russian.

Slavic 179. Literature as Institutions: Conference Course

Catalog Number: 6120 Enrollment: Limited to 15.



William Mills Todd III

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A study of literary production, dissemination, and reception in selected periods of Russian literature from the Middle Ages to the present. Readings in social theory, cultural studies, literary criticism, and imaginative literature.

Note: Please pick up a syllabus in Barker 374 before the term begins, as there will be a brief assignment for the first class meeting. Open to advanced undergraduates and graduates.

Recommended for potential teaching fellows for Literature and Arts C-30.

[Slavic 180. Russian Symbolist Poetry]

Catalog Number: 6333

John E. Malmstad

Half course (fall term). Hours to be arranged.

A survey of the history of the Symbolist movement in Russia with emphasis on close reading of poetry by its major figures.

Note: Expected to be given in 2003–04.

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

Slavic 181a. 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 181b. 20th-Century Russian Poetry]

Catalog Number: 5560

John E. Malmstad

Half course (spring term). Hours to be arranged.

An introduction to the major trends of post-Symbolist poetry, with emphasis on the poets traditionally called the “Futurists” or “avant-garde.” Selections from Khlebnikov, Mayakovsky, Pasternak, Burliuk, Guro, and others.

Note: Expected to be given in 2002–03.

Prerequisite: Knowledge of Russian required.

[Slavic 182. Problems in 20th-Century Poetry: Conference Course]

Catalog Number: 3489

John E. Malmstad

Half course (spring term). Hours to be arranged.

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 2002–03.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.

[Slavic 185. Two Poets: Conference Course]

Catalog Number: 1115

Stephanie Sandler

Half course (spring term). Hours to be arranged.

Compares two poets in their aesthetic inclination and temperament, response to public and private events, and reactions to other poets and to each another. Asks what kind of theories help read each poet, and how they in turn read others' work. In 2000—2001, the poets were Joseph Brodsky and Ol'ga Sedakova.

Note: Expected to be given in 2002–03.

Prerequisite: Reading knowledge of Russian required.

Slavic 191. Gender and Nation After Yugoslavia

Catalog Number: 1444

Tomislav Z. Longinović (University of Wisconsin, Madison (fall term only))

Half course (fall term). Tu., W., 3–4:30, and a third hour for those who wish to consider the texts in original. EXAM GROUP: 17, 18

Features a critical analysis of Yugoslav “warring cultures” that have redefined the notions of identity both locally and globally. Besides literature, the materials examined include film, video, and music produced around the Wars of Yugoslav Succession (1991-1995). Works by Kis, Pavic, Albahari, Ugresic, Kusturica, Paskaljevic, Mancevski and others. Emphasis placed on the theories of gender (Kristeva, Braidotti, etc) and nationalism (Wolff, Todorova, Zizek, etc).

Note: All readings in English.

Slavic 192. Balkan Imagery in Film and Literature

Catalog Number: 6281

Dubravka Ugrešić

Half course (spring term). Tu., Th., 1–2:30, and a third hour for those who wish to consider the texts in the original. EXAM GROUP: 15, 16

Considers the notion of “the Balkans,” using Maria Todorova’s book *Imagining the Balkans* as a point of departure. Investigates the Balkan myth and image-making in works of art. Examines the cultural strategy of rebalkanization following the recent war in the former Yugoslavia. The image of the Balkans is viewed from internal as well as external perspectives. Readings of theoretical, fictional and non-fictional works and the interpretation of feature and documentary films.

Note: All readings in English.

Slavic 193. Constructing Slavic Identities: An Introduction to Slavic Civilization

Catalog Number: 9029

Roman Koropeckyj (University of California, Los Angeles) (fall term only)

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Examines the history and national mythologies of Slavic peoples through the prism of twentieth-century novels and films. The course runs on two tracks: historical (present to past) and national (East, West, and South Slavs). Nations to be profiled are Belarus, Ukraine, Russia, the Czech



Republic, Poland, Bosnia, Croatia, and Serbia in conjunction with such topics as Central/East European post-colonialism, Stalinism, panslavism, romanticism, Baroque, religious heterogeneity, the Slavic conversions, and prehistory.

Note: All readings in English.

Cross-listed Courses

[Comparative Literature 159. The Peasant in Literature: Conference Course]

[Comparative Literature 160. Literary Forgeries and Mystifications](#)

[Comparative Literature 163. From Kafka to Kundera: Questions of Identity in Central European Modernist Fiction](#)

[Comparative Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course]

[Comparative Literature 168. Literature and Film]

[Foreign Cultures 72. Russian Culture from Revolution to Perestroika](#)

[History 1542. Intellectual and Cultural Controversies: The Russian Intelligentsia: Conference Course](#)

[Linguistics 110. Introduction to Linguistics](#)

[*Literature 128. Performing Texts]

[Literature and Arts A-74. Other Worlds: Utopia and Anti-Utopia in Central and Eastern Europe]

[Literature and Arts C-28. Icon—Ritual—Text: Reading the Culture of Medieval Rus']

[Literature and Arts C-30. How and What Russia Learned to Read: The Rise of Russian Literary Culture]

[Literature and Arts C-51. Revolution and Reaction: The Rise and Fall of the Russian Avant-Garde](#)

[*Philosophy 188r. Philosophy and Literature: Dostoevsky: Proseminar]

Primarily for Graduates

[Slavic 201. Introduction to East Slavic Languages]

Catalog Number: 5134

Michael S. Flier

Half course (fall term). Hours to be arranged.

Introduction to the structure and history of Russian, Ukrainian, and Belarusian.

Note: Expected to be given in 2002–03.

[Slavic 211. History of Muscovite Literature, 1400-1700: Conference Course]

Catalog Number: 3019

Michael S. Flier

Half course (spring term). Hours to be arranged.

Survey of Muscovite literary works, translated and original, in various genres, with some attention to Kievan and other antecedents. Includes reference to contemporary developments in religion, social and political history, linguistics, art, and architecture.

Note: Expected to be given in 2002–03. All readings in original languages.

Prerequisite: A firm command of Modern Russian, Linguistics 250, or permission of instructor.



[Slavic 222. 20th-Century Ukrainian Poetry, 1905 to World War II]

Catalog Number: 8407

George G. Grabowicz

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2002–03.

[Slavic 223. 19th-Century Ukrainian Poetry]

Catalog Number: 2097

George G. Grabowicz

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2002–03.

[Slavic 250. Structure of Ukrainian]

Catalog Number: 3547

Michael S. Flier

Half course (spring term). Hours to be arranged.

Survey of the phonology, morphology, and syntax of modern Ukrainian.

Note: Expected to be given in 2003–04.

Prerequisite: Slavic 201 and reading knowledge of Ukrainian.

Slavic 269. Structure of Russian for Instructors

Catalog Number: 7807

Patricia R. Chaput and Natalia Reed

Half course (fall term). Tu., 2–5. EXAM GROUP: 16, 17

Survey of the structures and rules of Russian from the viewpoint of the instructor. Linguistic description of basic structures and its translation into pedagogical form. Discussion of the nature of grammatical “rules” and their formulation at different levels of study. Consideration of problems of identification of acceptable versus unacceptable usage and questions of varying and 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 2002–03: The Culture of Medieval Rus’: Art, architecture, ritual, literature.

Note: Expected to be given in 2002–03. Recommended for potential teaching fellows for Literature and Arts C-28.

[Slavic 283. Commemorating Pushkin: Conference Course]

Catalog Number: 4002

Stephanie Sandler

Half course (spring term). Hours to be arranged.

Studies Russia’s myth of a national poet beginning with elegies on his death in 1837 and concluding with the anniversary celebration in 1999. Attention to poems, essays, films, literary museums, and cultural spectacles that have created public myths of the poet, and to the creative responses to these myths by such figures as Tsvetaeva, Akhmatova, Sinyavsky, and Bitov.



Note: Expected to be given in 2003–04. Open to qualified undergraduates with the permission of instructor.

Prerequisite: Reading knowledge of Russian required.

[Slavic 284. Tolstoy and Modernism: Conference Course]

Catalog Number: 2923

Justin Weir

Half course (spring term). Hours to be arranged.

Considers Tolstoy's major fiction as proto-modernist, and compares the reception of his works by Russian modernist authors to contemporary critical views. Works include *Sevastopol Stories*, *Anna Karenina* and several early and late stories.

Note: Expected to be given in 2002–03. All primary readings are in Russian.

Slavic 285r. Modern Russian Literature: Seminar

Catalog Number: 5182

John E. Malmstad

Half course (spring term). M., 3–5; Tu., 1–3. EXAM GROUP: 8, 9

Topic for 2001–2002: The culture of Russian avant-garde.

Note: Recommended for potential teaching fellows for Literature and Arts C-51.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.

Slavic 286 (formerly Slavic 176). Autobiographical Experiments in Literature and Art

Catalog Number: 3550

Svetlana Boym

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Examines autobiographical experiments in twentieth-century poetry, fiction, theory and visual arts. Close reading/analysis of texts and artistic works from modernism and avant-garde to contemporary art with attention to the issues of cultural self-fashioning, national and sexual identity, bilingualism and exile. Texts by Mayakovsky, Shklovsky, Jakobson, Bakhtin, Tsvetaeva, Mandel'shtam, Nabokov, Brodsky, Iskrenko and Prigov. Artworks by Malevich, Goncharova, Popova, Kabakov, Komar and Melamid and others.

Prerequisite: Reading knowledge of Russian required.

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, with special attention to the emergence of strong women poets in this century. Concentrates on Khlebnikov, Mandel'shtam, Tsvetaeva, Zabolotskii, Petrovykh, Brodsky, followed by the reactions and self-inventions of contemporary poets, including Sedakova, Shvarts, Iskrenko, Zhdanov, and Dragomoshchenko. Includes literary and psychoanalytic theories of poetic self-creation.

Note: Open to qualified undergraduates by permission of instructor.

Prerequisite: Reading knowledge of Russian required.



[Slavic 288. Sex, Self, and Russia: Conference Course]

Catalog Number: 0106

Stephanie Sandler

Half course (fall term). Hours to be arranged.

Explores the relationship among ideas of sexuality, identity, and desire in the cultural debates and creative psyches of modern Russian literary figures. Concentrates on three periods, roughly 1820-1840; 1890-1917; and 1930-1953; informed by recent feminist literary, historical, post-modern, and psychoanalytic criticism.

Note: Expected to be given in 2002–03.

Prerequisite: Reading knowledge of Russian required.

Slavic 290. 19th-Century Ukrainian Prose: Seminar

Catalog Number: 1548

George G. Grabowicz

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

[Slavic 291. Problems in the History of Early Ukrainian Literature]

Catalog Number: 0643

George G. Grabowicz

Half course (fall term). Hours to be arranged.

An examination of the major developments and phases of Kievan and early Ukrainian literature. Topics include the interrelation of written and oral literature, the system of genres of Kievan literature (with special focus on hagiography), the Renaissance and the interrelation with Polish literature, the confraternities, Vyshens'kyj, the Baroque, the Mohyla Academy, Skovoroda.

Note: Expected to be given in 2002–03.

Prerequisite: Reading knowledge of Ukrainian.

Slavic 292. 20th-Century Ukrainian Prose

Catalog Number: 5733

George G. Grabowicz

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A survey of the major figures and tendencies in Ukrainian prose from the period of modernism to the 1990s. Special attention to be paid to the avant-garde of the 1920s–1940s (Khvyl'ovyj, Johansen, Domontovych, Kosach) and of the most recent period (Andijevs'ka, Andrukhovych, and others).

Slavic 296r. Slavic Linguistics: Seminar

Catalog Number: 5196

Sue Brown

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Topic for 2001-02: Comparative Slavic Morphosyntax. Covers important issues in Slavic morphosyntax, including case, word order, interpretive effects, negation, interrogativity, indefiniteness, WH-movement, anaphora, null subjects, predication, and voice, among others. Focus on cross-linguistic variation and similarity within Slavic, as well as between Slavic and non-Slavic languages.

Note: Students are expected to choose one of the Slavic languages and to gather data relating to



the given topic.

Prerequisite: Linguistics 112a or its equivalent (112b preferred but not mandatory) or permission of instructor. Knowledge of a Slavic language helpful but not required.

***Slavic 299. Proseminar**

Catalog Number: 7972

Stephanie Sandler

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Introduction to graduate study in Slavic. Selected topics in literary analysis, history, and theory.

Note: Open to qualified undergraduates by permission of the chairman.

Cross-listed Courses

[*Comparative Literature 260. Literature and Exile: Seminar]

[*Comparative Literature 261. Memory and Modernity: Seminar]

***Comparative Literature 262. Aesthetics and Freedom**

Comparative Literature 275. Theory of Narrative: Conference Course

Linguistics 250. Old Church Slavonic

Linguistics 252. Comparative Slavic Linguistics

Graduate Courses of Reading and Research

***Slavic 300. Direction of Doctoral Dissertations**

Catalog Number: 4477

Svetlana Boym 1926 (on leave spring term), Sue Brown 2926 (on leave 2002-03), Julie A. Buckler 2960 (on leave fall term), Patricia R. Chaput 6222 (on leave 2001-02), Michael S. Flier 2878, George G. Grabowicz 4511, John E. Malmstad 1219 (on leave spring term), Stephanie Sandler 1343 (on leave 2002-03), Alfred Thomas 1344, William Mills Todd III 1634, and Justin Weir 3407 (on leave spring term)

Members of the Department listed for Slavic 301 also direct doctoral dissertations.

***Slavic 301. Reading and Research**

Catalog Number: 3385

Svetlana Boym 1926 (on leave spring term), Sue Brown 2926 (on leave 2002-03), Julie A. Buckler 2960 (on leave fall term), Patricia R. Chaput 6222 (on leave 2001-02), Michael S. Flier 2878, George G. Grabowicz 4511, John E. Malmstad 1219 (on leave spring term), Natalia Reed 3911 (spring term only), Stephanie Sandler 1343 (on leave 2002-03), Alfred Thomas 1344, William Mills Todd III 1634, and Justin Weir 3407 (on leave spring term)

Half course (fall term; repeated spring term). Fall: Th., 6–8 p.m.

***Slavic 302. Language Teaching: Content and Conduct**

Catalog Number: 5961

Patricia R. Chaput 6222 (on leave 2001-02)

Half course (spring 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

Katherine Newman, Malcolm Wiener Professor of Urban Studies (*Kennedy School*) (*Chair*)

David Tabor Ellwood, Lucius N. Littauer Professor of Political Economy (*Kennedy School*)

Jennifer L. Hochschild, Professor of Government

Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)

Paul Pierson, Professor of Government

Mary C. Waters, Harvard College Professor and Professor of Sociology

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 United States 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 Web site 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 Web site (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.

Primarily for graduates

*Sociology 296a. Proseminar on Inequality and Social Policy I

Note: Jointly offered with the Kennedy School as HLE-511.

*Government 2340. Proseminar on Inequality and Social Policy II.

Note: Jointly offered with the Kennedy School as HLE-512.

*Sociology 297. Workshop on Social Policy.

Note: Jointly offered with the Kennedy School as HLE-513.

Graduate Courses of Reading and Research

For Graduates

***Social Policy 301. Advanced Research Workshop in Inequality and Social Policy**

Catalog Number: 3704

Katherine Newman (Kennedy School) 2651

A workshop designed for advanced graduate students of the Ph.D. programs in Government & Social Policy and Sociology & Social Policy. Workshop will focus on prospectus development and the presentation of dissertation research in progress.

Social Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Social Studies

Grzegorz Ekiert, Professor of Government (*Chair, fall term only*) (*on leave 2001-02*)

Charles S. Maier, Krupp Foundation Professor of European Studies (*Acting Chair, spring term only*)



Mariko Chang, Assistant Professor of Sociology and of Social Studies (*on leave 2001-02*)
 John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs
 Richard N. Cooper, Maurits C. Boas Professor of International Economics
 Kimberly McClain DaCosta, Assistant Professor of Afro-American Studies and of Social Studies, Associate of Afro-American Studies
 Gwendolyn Dordick, Assistant Professor of Sociology and of Social Studies
 Peter Eli Gordon, Assistant Professor of History and of Social Studies (*on leave 2002-03*)
 Peter A. Hall, Harvard College Professor and Frank G. Thomson Professor of Government
 Michael Herzfeld, Professor of Anthropology (*on leave spring term*)
 Michael J. Hiscox, John L. Loeb Associate Professor of the Social Sciences (*on leave 2002-03*)
 Engseng Ho, Assistant Professor of Anthropology and of Social Studies
 Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor
 Richard M. Hunt, Senior Lecturer on Social Studies
 Torben Iversen, Professor of Government
 James T. Kloppenberg, Professor of History
 Michael Robert Kremer, Professor of Economics (*on leave spring term*)
 Steven R. Levitsky, Assistant Professor of Government and of Social Studies (*on leave fall term*)
 Peter V. Marsden, Professor of Sociology
 Rebecca Mary McLennan, Assistant Professor of History and of Social Studies (*on leave 2002-03*)
 Glyn Morgan, Assistant Professor of Government and of Social Studies
 Nancy Lipton Rosenblum, Professor of Government (*on leave fall term*)
 Tommie Shelby, Assistant Professor of Afro-American Studies and of Social Studies (*on leave 2002-03*)
 Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology (*on leave spring term*)
 Mary M. Steedly, Professor of Anthropology

Other Faculty Offering Instruction in Social Studies

Jeffrey B. Abramson, Visiting Professor of Social Studies (*Brandeis University*)
 Kiku Adatto, Lecturer on Social Studies
 Terry K. Aladjem, Lecturer on Social Studies
 Phineas Baxandall, Lecturer on Social Studies
 Benjamin Fred Berger, Lecturer on Social Studies, Lecturer on Government
 Anya Bernstein, Lecturer on Social Studies
 Jane Fair Bestor, Lecturer on Social Studies
 Audrey Helfant Budding, Associate of the Weatherhead Center for International Affairs, Lecturer on Social Studies
 Melissa L. Caldwell, Lecturer on Social Studies
 Oona Britt Ceder, Allston Burr Senior Tutor in Eliot House, Lecturer on Social Studies
 William F. Fisher, Visiting Associate Professor of Social Studies (*Clark University*)
 Tom Peter Harsanyi, Lecturer on Social Studies
 Melissa Sharon Lane, Visiting Professor of Government and of Social Studies (*Cambridge University*)
 Lynne B. Layton, Assistant Clinical Professor of Psychology in the Department of Psychiatry



(Medical School)

Annabelle Lever, Lecturer on Social Studies

Cameron Macdonald, Visiting Assistant Professor of Social Studies (*University of Connecticut*)

Stephen A. Marglin, Walter S. Barker Professor of Economics

Sylvia Maxfield, Lecturer on Social Studies

Bartholomew John Ryan, Lecturer on Social Studies

James Schmidt, Visiting Professor of Social Studies (*Boston University*)

Carmen J. Sirianni, Visiting Associate Professor of Social Studies (*Brandeis University*)

Christopher J. Sturr, Lecturer on Social Studies

Amitai Touval, Lecturer on Social Studies

Lucia Volk, Lecturer on Anthropology

Karen Zivi, Lecturer on Social Studies

Primarily for Undergraduates

***Social Studies 10. Introduction to Social Studies**

Catalog Number: 5278

Glyn Morgan and staff

Full course. Fall: Tu., 2–4; W., 3–5; Spring: Tu., 2–4, and section hours to be arranged. EXAM GROUP: 16, 17

An introduction to the classics of modern social theory and to major issues in social analysis.

Readings in Adam Smith, Tocqueville, Marx, Mill, Weber, Durkheim, Freud, and in other 20th-century theorists.

Note: Lectures and sections limited to and required of first-year concentrators in Social Studies.

[*Social Studies 20. Statistics for Social Studies]

Catalog Number: 3643

Mariko Chang

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 2002–03.

***Social Studies 99. Tutorial — Senior Year**

Catalog Number: 7501

Judith E. Vichniac and staff

Full course. Hours to be arranged.

Writing of senior honors essay.

Note: Required for concentrators.

Junior Tutorials



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 98 — Junior Tutorials: Fall Term

***Social Studies 98ap. Contemporary Social Movements and Globalization**

Catalog Number: 4703

William F. Fisher (Clark University)

Half course (fall term). Hours to be arranged. EXAM GROUP: 6, 7

Examines the connections between regional and national social movements and transnational alliances of international non-government organizations, advocacy groups and transnational issue networks. Using case studies, looks at environmental, human rights and women's movements in various parts of the world.

***Social Studies 98ax. Development and Modernization: A Critical Perspective**

Catalog Number: 5504

Stephen A. Marglin

Half course (fall term). Hours to be arranged.

What are the assumptions about human beings and our relationships with one another that underlie the conviction that development and modernization constitute progress, and that the developed West shows the way the rest of the world should/must go? To have economic growth, must people buy a whole package that changes the society, the polity, and the culture along with the economy? This tutorial will provide a framework for thinking about these and related questions (for example, why don't economic problems fade as we get richer?), both in the context of the history of the West, and in the context of the Third World.

***Social Studies 98bg. The Contemporary American City**

Catalog Number: 0913

Gwendolyn Dordick

Half course (fall term). Hours to be arranged.

The contemporary American City displays a tremendous diversity. Within any metropolitan area is a heterogeneous assemblage of races, classes, and ethnic groups. Between cities such as Los Angeles and New York, Miami and Boston is considerable variation in social and spatial organization, economic futures, and culture. Through a survey of contemporary accounts of life in cities and their surrounding suburbs, this course will examine diversity within and among American urban centers.

***Social Studies 98bq. Popular Culture: Theories and Practices**

Catalog Number: 2209

Lynne B. Layton (Medical School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Examines the many theoretical perspectives on popular culture currently debated in academia—Marxist, feminist, psychoanalytic, semiotic. Focusing on one or two popular media as case



studies, we will draw on the theories to inform textual analysis and to investigate issues of production and reception.

***Social Studies 98cd. The Politics of Social Policy in the United States**

Catalog Number: 8657

Anya Bernstein

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Examines social policy in the US and considers competing approaches to developing policy for the 21st century. Compares different perspectives on the nature and purposes of American social policy and explores how American institutions and political culture have shaped the development of social policy throughout the 20th century. Case studies will include welfare, marriage and divorce, health care, education, child care, and Social Security.

***Social Studies 98dg. Democracy and Dictatorship**

Catalog Number: 9019

Judith E. Vichniac

Half course (fall term). W., 4–6. EXAM GROUP: 9

Considers why certain countries develop and maintain democratic institutions while others do not. Are the answers to be found in sociological preconditions, political culture, or institutional developments? Readings are drawn from classics in political science and sociology. Consideration is given to historical and contemporary cases.

***Social Studies 98di. The Politics of Inequality in Latin America: The Transformation of Political Representation in the Neoliberal Era**

Catalog Number: 8597

Steven R. Levitsky

Half course (fall term). M., 4–6. EXAM GROUP: 9

This course examines old and new efforts to organize, represent, and control the poor in Latin America. After first analyzing “traditional” patterns of social and political organization such as clientelism, populism, and corporatism, the course examines how changing class structures, economic liberalization, and the decline of corporatism are reshaping patterns of representation. Specific topics include party and party system change; the emergence of “neo-populist” leaders; and the rise of new social movements, NGOs, and other alternative forms of organization. The course asks whether these organizations can fill the representational void created by the weakening of unions and populist parties, or whether labor’s decline will mean a return to more exclusionary, clientelistic, and “neo-oligarchic” politics.

***Social Studies 98dp. Childhood, Culture, and Social Reform**

Catalog Number: 6204

Kiku Adatto

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

How has the culture of childhood changed, and in what ways have the boundaries between childhood and adult life shifted? Framing these questions within a historical perspective, this seminar will trace the role of children in public discourse from the Progressive era to the present. Particular attention will be paid to civic and reform movements, the influence of the consumer and popular culture, and the powerful role of visual images in shaping and defining childhood.

***Social Studies 98du. Enlightenment and Its Critics**

Catalog Number: 2654

*James Schmidt (Boston University)**Half course (fall term). W., 2–4. EXAM GROUP: 7, 8*

An examination of the vicissitudes of Enlightenment ideals of reason, critique, and autonomy over the last two centuries. It will explore how the arguments of the Enlightenment's contemporaries (including Kant, Diderot, and Hegel) have been taken up by such twentieth-century social theorists as Max Horkheimer, Theodor Adorno, Hans-Georg Gadamer, Jürgen Habermas, and Michel Foucault.

***Social Studies 98dw. Gender and Politics**

Catalog Number: 0447

*Oona Britt Ceder**Half course (fall term). Hours to be arranged.*

Employing gender as a category of analysis, this course will examine women's political consciousness and participation from the late eighteenth century to the present. The first part of the course will investigate the political activities and status of women in North America. Cases to be considered include Native American women's resistance to colonial rule; the role of African-American and white women in the movements for the abolition of slavery and women's suffrage; and the emergence of Hispanic and Asian women on the U.S. political stage. In the second part of the course, students will evaluate the contribution of gender-based analysis to the study of contemporary political life and issues. U.S. as well as global perspectives will be considered.

***Social Studies 98dy. "The Rise of the West" in Comparative Perspective: The Historical Development of Western Europe and Other Civilizations, AD 500-1700**

Catalog Number: 3381

*Tom Peter Harsanyi**Half course (fall term). Hours to be arranged.*

Examines the political, social, economic, and intellectual transformation of Western Europe during the medieval and early-modern periods, with comparisons to China and other civilizations (the Islamic world, Japan, Eastern Europe). Considers a variety of theoretical approaches to explain how and why Western Europe gradually emerged as the epicenter of world-wide modernization.

***Social Studies 98ea. Conflict and Cooperation in International Politics**

Catalog Number: 0554

*Michael J. Hiscox**Half course (fall term). W., 1–3. EXAM GROUP: 6, 7*

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.

***Social Studies 98ed. Ideology and Critique**

Catalog Number: 5106

Christopher J. Sturr



Half course (fall term). Hours to be arranged.

An examination of ideology in critical social theories. Course traces the concept from the Enlightenment through classical Marxism, the Second International, Western Marxism, and more recent theorists. Course ends by considering the relevance of the concept for a range of contemporary social-theoretical approaches with a liberatory agenda, including Marxism, feminism, anti-racism, post-colonial theory, and queer theory.

***Social Studies 98ef. The Political Economy of Developing Countries**

Catalog Number: 9318

Sylvia Maxfield

Half course (fall term). Hours to be arranged.

Focuses on the politics of economic reform in recently industrializing countries. The objectives are to master basic concepts of open economy macroeconomics, gain familiarity with a variety of non-OECD country experiences, learn how to evaluate social science research, develop students' own research skills and build oral presentation capabilities. Student will pick a country to research and report on during the term. Readings include an edited compilation by Frieden, Pastor and Tomz as well as articles by Haggard, Kahler, Stallings, and Keohane.

***Social Studies 98em. Politics, Power and the Digital Revolution: A Skeptical Look at the "New Economy"**

Catalog Number: 6827

Phineas Baxandall

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

"The Information Revolution" is fundamentally changing society, economy, and politics. The nature and mechanisms of these changes are rarely well specified or critically evaluated. Seminar will look at such questions as whether digital technologies naturally encourage personal freedom and deregulated markets; whether trade in information is fundamentally different than other commodities; whether the nature of identity and culture is changed by the web-based interaction; and whether hackers and code-writers are the new revolutionaries and legislators.

***Social Studies 98ep. Juries, Justice, and Democracy**

Catalog Number: 1144

Jeffrey B. Abramson (Brandeis University)

Half course (fall term). Hours to be arranged.

Does trial by jury suggest a coherent and commendable theory of democratic or popular justice? This tutorial will examine historical and contemporary legal materials that bear on the competence of ordinary persons to do justice as jurors. Issues to be considered are: jury nullification; verdicts according to conscience; the ideals and realities of drawing juries from a "representative cross-section of the population"; the influence of race, gender, and national origin on jury deliberations; unanimous verdicts; and the death penalty.

***Social Studies 98eq. Globalization From Underneath**

Catalog Number: 1978

Kieran Aeveen Honderich

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Places theories of globalization into a conversation with political-economy narratives about the



poor in Africa, including ones addressing the history of African poverty, the situation of African women and rural dwellers, the HIV/AIDS pandemic, and effects of economic reforms. Considers how the African poor and other marginalized groups are affected by globalization, and what light their situation casts on global structures and processes. How is their relation to the state being affected? Are they best understood as excluded, included or not yet included by globalization?

***Social Studies 98er. From the Shop Floor to the Streets: The History, Politics and Culture of Social Movements in the US**

Catalog Number: 6954

Corey Dolgon (Worcester State College)

Half course (fall term). Hours to be arranged.

The course examines how social movements shape U.S. history and politics. We start by looking at sociological theories of social movements and then investigate early labor, abolitionist and suffrage organizing. We continue with the “maturing” labor movement, the rise of Communism and Socialism, and the birth of “community” organizing. We’ll also discuss conservative phenomena such as temperance, white supremacy, and “Americanism” movements. We conclude by discussing the “new” movements of the 1960s and the resurgence in both local and global organizing.

Social Studies 98 — Junior Tutorials: Spring Term

***Social Studies 98av. Leadership and Followership in Modern Society: Politics, Personality, and Charisma**

Catalog Number: 5427

Richard M. Hunt

Half course (spring term). W., 4–6. EXAM GROUP: 9

Based on Social Studies 10 readings of Weber, Durkheim, and Freud, examines recent theories of leadership—political and professional—in modern society. Special attention is given to the relation between leaders and followers, and to the specific historical conditions from which leaders emerge. Also studies various forms of charismatic leadership. Case studies include Lincoln, Hitler, FDR, Huey Long, and Martin Luther King, Jr.

***Social Studies 98ck. Community Empowerment and Civic Democracy in the Contemporary United States: Theory, Practice, and Policy**

Catalog Number: 9316

Carmen J. Sirianni (Brandeis University)

Half course (spring term). F., 1–4. EXAM GROUP: 6, 7, 8

Analyzes innovations in community organizing, civic engagement, and “policy design for democracy” in a variety of arenas (urban development, environment, health, journalism, social services, education) over the past several decades in the U.S. Examines these in terms of theories of deliberative democracy, social capital, and civil society, as well as debates on the future of the welfare state and regulatory politics. Considers the larger crisis of American democracy and the possibilities of civic renewal.

***Social Studies 98cl. Law and American Society**

Catalog Number: 7389



Terry K. Aladjem

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

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.

[*Social Studies 98cm. American Social Movements]

Catalog Number: 2773

Rebecca Mary McLennan

Half course (spring term). Hours to be arranged. EXAM GROUP: 9

Examines social movements in 19th- and 20th-century America using theoretical material and case studies of major social movements. Topics will include how movements arise and evolve, how members determine strategy, the relationship between movements and other modes of politics, and why movements succeed or fail.

Note: Expected to be given in 2002–03.

***Social Studies 98cv. Authoritarianism and Democracy in Latin America**

Catalog Number: 5595

Steven R. Levitsky

Half course (spring term). W., 4–6. EXAM GROUP: 9

Examines political regimes and regime change in modern Latin America, focusing primarily on the cases of Argentina, Brazil, Chile, Mexico, Peru, and Venezuela. Compares different theoretical approaches (including modernization, neo-marxist, cultural, choice-centered, and institutional approaches) to explaining the emergence of democracy in the region, its breakdown in the 1960s and 1970s, and the “wave” of re-democratization in the 1980s and 1990s. Examines contemporary problems of democratic survival and consolidation, analyzing the effects of factors such as the international context, the debt crisis and economic liberalization, state weakness, political violence, and poverty and inequality. Also examines how different institutional structures, such as electoral systems, party systems, and executive-legislative arrangements, may affect the stability and quality of new democracies.

***Social Studies 98dj. The Rule of Law: Social Theoretical Debates**

Catalog Number: 7023

Rebecca Mary McLennan

Half course (spring term). Hours to be arranged.

How has the advent of corporate capitalism, private and public bureaucracies, and “globalization” affected the operations of formal, calculable legal principles of the kind conceived by Locke and other early liberal theorists? Has the liberal rule of law lost its efficacy and its legitimacy? Does it sustain or undermine the social relations of capitalist mass democracies? Explores the social theoretical debates around the fate of formal law under the conditions of modernity. Among other questions, considers Marxian critiques of formal law; Max Weber’s analysis of law in the age of bureaucratic rationalization; the conservatives’ attack on liberal law (Carl Schmitt and Friedrich Hayek); and the debate between the Frankfurt theorists (Franz Neumann, Otto Kirchheimer, Jürgen Habermas) and Critical Legal Studies (Duncan Kennedy and Roberto Unger) on whether liberal law is determinant and legitimate.



***Social Studies 98dx. Feminist Theory: Equality, Identity, Difference**

Catalog Number: 3055

Oona Britt Ceder

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Course examines main currents of feminist thought. Readings on feminist theories that have their origins in Western social and political thought (Mary Wollstonecraft, John Stuart Mill, Emma Goldman, Simone de Beauvoir, and others), and works by writers who reject the methods of canonical thought and develop new, oppositional forms of feminist theorizing (Irigaray, Audre Lorde, Mary Daly, bell hooks, Gloria Anzaldua, Judith Butler). Through analysis, students will acquire an understanding of the relationship between feminist theories and major traditions of social and political critique.

***Social Studies 98eb. The Politics of International Trade**

Catalog Number: 9198

Michael J. Hiscox

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

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 will address 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.

***Social Studies 98ec. Theories of Rights**

Catalog Number: 5550

Annabelle Lever

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Are rights inherently individualistic and egoistic, as Marx believed, and as contemporary critics of “rights talk” maintain? Is it possible to talk of rights to welfare, or universal human rights, without extending the concept of a right so far that it becomes meaningless? Are rights absolute, and if not, what is their point? Are rights side-constraints, trumps or thresholds, and what do these metaphors imply about the way rights work and their consequences for social policy?

***Social Studies 98eg. State Formation and State Collapse**

Catalog Number: 3072

Rebecca Mary McLennan

Half course (spring term). Hours to be arranged.

Examines the theory and history of state formation, and its analytical opposite, state collapse. The course explores how states emerge and dissolve in the international system, examining a variety of perspectives from political science, law, and sociology. The course analyzes the rise of the sovereign state vis-à-vis its competitors; addresses the problem of state collapse; and evaluates possible and impossible solutions to the problem of state collapse, considering arguments from international law and moral theory.

***Social Studies 98eh. Meaning and Politics**

Catalog Number: 5363

Melissa Sharon Lane (Cambridge University)



Half course (spring term). Hours to be arranged.

Examines the question of how to interpret the meaning of texts and actions, and its implications for social science and politics. Examines nineteenth century debates over the nature of the moral sciences, the role of consciousness and value, and the way these debates changed in the twentieth century with the advent of phenomenology and the revival of positivism. Readings from J.S. Mill, Windelband, Dilthey, Durkheim, Weber, Croce, Collingwood, Heidegger, Gadamer, Skinner, and others.

***Social Studies 98ei. The Construction of Race in Society and History**

Catalog Number: 5960

Kimberly McClain DaCosta

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Offers a comparative sociohistorical analysis of that peculiar form of ethnicity called “race”. Using a wide range of empirical and theoretical materials, we problematize what is too often considered settled, namely, what constitutes “race”. We explore historical and cross-national variations in the bases of racial division, as well as the mechanisms through which racial domination is (re)produced, including prejudice, discrimination, segregation, ghettoization and violence.

***Social Studies 98ej. Nation, State, and Violence in Twentieth-Century Europe**

Catalog Number: 1385

Audrey Helfant Budding

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

During the twentieth century, homogeneous “national” states emerged out of many formerly mixed areas of Europe, at a horrific human cost. Tutorial will explore the unmixing of nations. It will draw on works of anthropology, history, political science, and sociology to illuminate the dynamics of nationalist mobilization, the interaction of nationalism and communism, and the nature of “ethnic cleansing.” Specific topics will include the Stalinist deportations of peoples, the Holocaust, and the post-Yugoslav wars.

***Social Studies 98ek. Globalization, Transnationalism, and Migration**

Catalog Number: 2433

Lucia Volk

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This course seeks to understand the significant shift in theorizing social groups and behavior patterns as a result of transnationalism, globalization and migration. We will explore both the challenges the new social phenomena pose to traditional research methodologies as well as the problem of building new explanatory frameworks that incorporate movement and change, yet still have explanatory powers for specific localities.

***Social Studies 98en. Housing and Homelessness: Exploring the Importance of Place, Shelter and Home in America**

Catalog Number: 9263

Gwendolyn Dordick

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Housing is more than bricks and mortar. The places we live provide us—to a greater or lesser



extent—personal security and comfort, a social environment and the basis for strong feelings of identity and belonging. This tutorial will examine the material, social and cultural aspects of housing and homelessness in American society. A particular, but not exclusive, focus on the homeless will bring to the foreground important and often taken-for-granted aspects of place, shelter, and home that are true across the socioeconomic spectrum.

Social Studies 98eo. Culture and Society

Catalog Number: 2114

Kiku Adatto

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The seminar will explore the interplay of culture and society using a wide range of sources and case studies (drawing on anthropology, history, sociology, literature and photography). Among the topics explored will be religion and political rhetoric, the history of manners, the work ethic, advertising, and the rise of America's image-conscious visual culture.

***Social Studies 98es. Radicalism in Twentieth Century U.S. Culture and Politics**

Catalog Number: 3357

Jessica Shubow

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This seminar examines the historical meanings, sources, and impact of political and cultural radicalism in the 20th century U.S. Studying the collective action and thought of populists, anarchists, anarcho-syndicalists, socialists, communists, fascists, nationalists, feminists, identity-based, and queer activists whose activities or aspirations that fall outside or exceed the rules and terms of the electoral political system, we will historically analyze the relationship between cultural and political insurgency, the economy, and the state.

Sociology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Sociology

Mary C. Waters, Harvard College Professor and Professor of Sociology (*Chair*)

Kenneth T. Andrews, Associate Professor of Sociology (*Head Tutor*)

Peter V. Marsden, Professor of Sociology (*Director of Graduate Studies*)

Lawrence D. Bobo, Norman Tishman and Charles M. Dikner Professor of Sociology and of Afro-American Studies

Prudence L. Carter, Assistant Professor of Sociology

Mariko Chang, Assistant Professor of Sociology and of Social Studies (*on leave 2001-02*)

Gwendolyn Dordick, Assistant Professor of Sociology and of Social Studies



David J. Frank, Associate Professor of Sociology (*on leave fall term*)
 David R. Gibson, Assistant Professor of Sociology
 Lowell L. Hargens, Visiting Professor of Sociology
 Jason A. Kaufman, Associate Professor of Sociology (*on leave 2001-02*)
 Ronny Jean Lesthaeghe, Erasmus Lecturer on the History and Civilization of the Netherlands and Flanders (*University of Brussels*)
 Stanley Lieberman, Abbott Lawrence Lowell Professor of Sociology
 Judah Matras, Visiting Professor of Sociology, Visiting Scholar in Sociology
 Orlando Patterson, John Cowles Professor of Sociology
 Barbara F. Reskin, Professor of Sociology
 Libby Schweber, Associate Professor of Sociology
 Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology (*on leave spring term*)
 Martin K. Whyte, Professor of Sociology (*on leave spring term*)
 Christopher Winship, Professor of Sociology (*on leave 2001-02*)

Other Faculty Offering Instruction in the Department of Sociology

Shyon Stephan Baumann, Tutor in Cabot House, Lecturer on Sociology
 Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)
 Ziad Weal Munson, Lecturer on Sociology
 Katherine Newman, Malcolm Wiener Professor of Urban Studies (*Kennedy School*)
 Mary Ruggie, Visiting Professor of Public Policy (*Kennedy School*)
 Annemette Sorensen, Lecturer on Sociology
 Mark J. Zimny, Lecturer on Sociology

Introductory Courses

[Sociology 10. Introduction to Sociology](#)

Catalog Number: 4814

David J. Frank

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Distinguishes five approaches to the study of society — those centered on society as a whole, those centered on groups, and those centered on individuals, interactions, and cultures. Introduces a range of classical and contemporary literatures to illustrate each approach, and thereby provides a broad survey of substantive fields of sociological interest, from religion and race to sports and friendship.

Note: Counts for introductory concentration requirement.

[Sociology 11. American Society](#)

Catalog Number: 3469

Gwendolyn Dordick

Half course (fall term). M., W., (F.), at 9. EXAM GROUP: 2

Explores selected aspects of contemporary American society from a sociological perspective. Topics will include gender, socialization and politics; popular culture and high culture; race and ethnicity; crime and drugs; poverty and homelessness; and the changing suburban landscape.



Emphasis on the application of key concepts and approaches in social theory to understanding the workings of our social environment. Readings will focus on major works within each substantive area and will reflect a diversity of methodological approaches.

Note: Counts for introductory concentration requirement.

[Sociology 25. Introduction to the Sociology of Organizations]

Catalog Number: 3609

Peter V. Marsden

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2002–03. Counts for introductory concentration requirement.

Sociology 40. Introduction to Human Societies

Catalog Number: 4512

Mark J. Zimny

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Introduces the distinct way of thinking and seeing the world through the sociological perspective. Topics to be covered include socialization, deviance, race and ethnicity, and the particular concepts and tools that sociologists use to study human social life.

Note: Counts for introductory concentration requirement.

Sociology 60. Race and Ethnic Relations

Catalog Number: 4114

Prudence L. Carter

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Examines race and ethnic relations in the United States 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 United States.

Note: Counts for introductory concentration requirement.

Sociology 68. Social Movements

Catalog Number: 0507

Kenneth T. Andrews

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Explores the origins, dynamics, and consequences of social movements from a sociological perspective. Examines a wide range of topics including: emergence of movements, recruitment and leadership, interactions of movements of the media, political elites and the broader public, tactics (e.g. nonviolent direct action, litigation), and the factors contributing to the success and failure of movements. Cases covered include the mobilization of racial and ethnic groups, women's movements, conservative/right-wing movements and environmental activism.

Note: Counts for introductory concentration requirement. Replaces Sociology 106.



Cross-listed Courses

Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations

[Quantitative Reasoning 36. Statistics and Public Policy]

Social Analysis 54. American Society and Public Policy

Tutorials

***Sociology 91r. Supervised Reading and Research**

Catalog Number: 4449

Kenneth T. Andrews 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 undergraduate office.

***Sociology 96. Individual Community Research Internship**

Catalog Number: 7425

Kenneth T. Andrews and staff.

Half course (fall term; repeated spring term). Fall: W., 4–6; W., 7–9 p.m.; Tu., 3–5; W., at 7 p.m.; Spring: Hours to be arranged.

Community Research Internships give students the opportunity to use the methods and ideas of sociology in the process of learning about and trying to deal with practical problems faced by communities and other social actors in society at large. Students are individually placed with community organizations and agencies where they carry out research on topics of concern to those organizations and agencies. Classwork focuses on instruction in the methods and philosophy of fieldwork.

Note: Specific positions and projects vary from term to term, and are available largely on a first-come, first-served basis to students approved by the Head Tutor. Interested students should consult the Head Tutor's office about the nature and availability of internships at or before the beginning of the term. Both concentrators and nonconcentrators are welcome to apply. First meeting required.

***Sociology 97. Sophomore Tutorial**

Catalog Number: 5079

David J. Frank

Half course (spring term). First Meeting Required: W., 1-3.

Introduces concentrators to sociological theory. Aims to give students a critical understanding of selected classic and contemporary theories and to explore the relative merits of these theories from an empirical standpoint. In the first part of the term, students read influential statements about sociological theory and its relationship to research, and learn how researchers construct, evaluate, and modify theory. Readings focus especially on the classical theories of Marx, Weber, and Durkheim. In the second part of the term, students read theoretical pieces by contemporary



sociologists. Readings focus on works that particularly reflect the theoretical concerns of the earlier classic thinkers.

Note: Required of and limited to concentrators, ordinarily sophomores.

***Sociology 98. Junior Tutorial**

Catalog Number: 5943

Kenneth T. Andrews and members of the department.

Half course (fall term; repeated spring term). Fall: W., 2–4; M., 1–3; Spring: Hours to be arranged.

Small group research projects centered on common topics that vary by seminar and year. Recent topics have been on migration; science and society; advancing research and social policies in Afro-America; controversies of ideology and social knowledge; ethnic and racial identity; and sex and race in employment.

Note: Required of and limited to concentrators, ordinarily juniors.

***Sociology 99. Senior Tutorial**

Catalog Number: 6237

Kenneth T. Andrews 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 enroll in a fall term only, optional, regularly scheduled weekly group seminar for consultation and discussion about choice of problems, possible data, and research procedures.

For Undergraduates and Graduates

[Sociology 103. Environment and Society]

Catalog Number: 6928

David J. Frank

Half course (spring term). Hours to be arranged.

One of the profound changes of the 20th century is the rise of the belief that human society is embedded in a physically sustaining natural environment — an ecosystem. In this course, we explore alternatives to the ecosystem model, and then look at how social structures have been theorized to affect the “ecosystem” and vice-versa.

Note: Expected to be given in 2002–03.

[Sociology 107. The American Family]

Catalog Number: 9124

Martin K. Whyte

Half course (spring term). Hours to be arranged.

Examines patterns and trends in American family life, both sociologically and historically. Topics covered include changes in the nature of marriage; women’s roles; kinship relations; sexual attitudes and behaviors; divorce; and child rearing.

Note: Expected to be given in 2002–03.



[*Sociology 110. Sociological Approaches to Income and Wealth: Conference Course]

Catalog Number: 2404

Mariko Chang

Half course (spring term). Hours to be arranged.

Explores the sociological meaning of income and wealth and the ways in which these socially constructed meanings interact with social and economic behavior. Centered around the questions: In what ways are the economic and the social embedded? How are people's perceptions of income and wealth shaped by social institutions such as the family, the economy, and the state? What are the sociological explanations for the distribution of income and wealth in society? What are the societal effects of growing or shrinking economic inequality?

Note: Expected to be given in 2002–03.

Sociology 116. Professions and Disciplines

Catalog Number: 1305

Libby Schweber

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Uses the sociological literature to trace changes in the representation and organization of professions and disciplines in modern society. Topics include bases of professional authority, professions and ethics, public images, the consequences of bureaucratization, the relation between the professions and the state and different types of knowledge/power relations. Special attention is paid to the cases of medicine, law, and the social sciences in the United States.

Sociology 117. Religion and Society

Catalog Number: 1570

Ziad Weal Munson

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Examines the relationship between society and religious institutions, religious beliefs, and religious practices. Major topics covered include the question of whether or not modern society is becoming more secular, the place of religion in politics, religious conversion, new religious movements, and the role of religious rituals and symbols in the modern world. These topics are explored using both classical sociological theory and contemporary empirical data.

Sociology 124. Social Stratification

Catalog Number: 9219

Judah Matras

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Examines individual and structural explanations for the generation and maintenance of inequality in the United States and the influence of stratification on individuals and groups. Covers status attainment and social mobility; the allocation of societal rewards according to class, race, and gender; the distribution of educational opportunities and cultural capital; and labor market segmentation by race, ethnicity, and gender.

***Sociology 128. Paradigms of Social Inquiry**

Catalog Number: 5979

David R. Gibson

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4



Introduces sociological thinking—what is a sociological problem, how to pose one, what alternative answers might be, how to weigh the evidence. Case studies of sociological research and theorizing. Stresses logic and reasoning, not particular statistical methods.

Note: Prerequisite to Sociology 156. Required of Sociology concentrators. For all other students, permission of instructor required.

Sociology 129. Political Sociology

Catalog Number: 2495

Ziad Weal Munson

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

An examination of the sociological approaches to power, politics, and the state. Major topics will include: state formation, revolution, nationalism, warfare, the formation and consequences of major policy initiatives, citizenship and rights, social movements, and the influence of various groups in politics.

[*Sociology 130. The Politics of Illness: Conference Course]

Catalog Number: 6220

Jason A. Kaufman

Half course (fall term). Hours to be arranged.

Integrates contemporary sociological understanding of political processes with a historical understanding of the social development of medicine and the health-sciences. Specific topics of inquiry will include: political struggles over state responses to communicative disease (particularly AIDS); the sociology of scientific discovery; the social transformation of American medicine; the cognitive discovery that microbes cause disease and its ensuing impact on state formation; the role of disease in geo-political (i.e. military) conflict; the network-structure of disease pathology; mental illness and the politics of normalcy; reproductive health and gender politics; poverty, health, and politics; and future crises for the health-sciences infrastructure.

Note: Expected to be given in 2002–03.

Sociology 139. Deviance and Social Control

Catalog Number: 4020

Mark J. Zimny

Half course (fall term). Hours to be arranged.

The relationship of social organization to deviant behavior; the identification of deviant behavior and the social response it elicits. Individual, group, and organizational violations of social norms, rules, and laws. Emphasis on the “societal reaction” or “interactionist” approach to deviance. The correctional and causal approach towards deviance, its limitations and alternative ways to address the subject of deviance.

Sociology 141. Social Institutions of Contemporary China

Catalog Number: 9333

Martin K. Whyte

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Introduction to the patterns of social life in China and how these have changed since the revolution in 1949. Topics covered include political institutions, work organizations, village life, cities, family life, schooling, and inequality.



***Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course**

Catalog Number: 8242 Enrollment: Limited to 20.

Orlando Patterson

Half course (spring term). W., 4–6. EXAM GROUP: 9

Ethnicity has emerged as one of the most important forces in the modern world. It is the source of collective identity, communal solidarity, and nation building as well as the inspiration for resistance to colonial domination and dictatorial regimes. It has also been a major source of political, social, and economic conflicts throughout the world, in some cases resulting in genocidal wars between groups. The course explores the nature of ethnicity, the main theoretical approaches to the subject, and case studies of ethnic formation and conflict around the world, paying special attention to the relationship between ethnicity and religion, language, racism, and modernization.

***Sociology 150. The Social Underpinnings of Taste**

Catalog Number: 4638

Stanley Lieberson

Half course (fall term). (M.), W., F., at 11. EXAM GROUP: 4

Examines current empirical and theoretical information about the social factors influencing our tastes. This includes work on naming practices, fashion, art, and pop culture. Considers how tastes are molded and changed by social class, political and social events, age cohorts, and education, as well as internal processes.

Sociology 152. Mass Media: Sociological Perspectives

Catalog Number: 0754

Shyon Stephan Baumann

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Examines mass media production, content, and effects. The focus is on the realms of the news and of culture in the United States. Considers the main theories and the evidence regarding debates on how the mass media function and influence society. Topics include violence, censorship, corporate influence, bias, advertising, and modes of media consumption.

[Sociology 153. Media and the American Mind]

Catalog Number: 8867

Jason A. Kaufman

Half course (spring term). Hours to be arranged.

Explores contemporary American society through the lens of media, including but not restricted to television, movies, and the internet, and critically examines the social histories of the telephone, the telegraph, radio, theatre, literature, music, and the arts. Special attention is given to the ways in which media both shape and reflect the social contexts in which they are produced and consumed. Draws upon a wide variety of social scientific paradigms in so doing, focusing on topics such as 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, the sociology of celebrity, and the socio-historical rise of different genres and art forms.

Note: Expected to be given in 2002–03.



***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.

Prerequisite: Sociology 128.

Sociology 157. Gender and Social Policy: Conference Course

Catalog Number: 3030

Mary Ruggie (Kennedy School)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the role of various agents and venues (including governments, courts, interest groups, employers) on the development and implementation of such policies as health, labor market and welfare. Wherever possible, policies in the U.S. are compared with those in selected European countries. Theoretical perspectives are drawn from the literature on the welfare state and feminist legal theory.

Sociology 158. Gender Stratification

Catalog Number: 1956

Annemette Sorensen

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Examines the evidence about the nature and causes of gender stratification in post-industrial societies. Consequences of gender stratification for family life, for relations between men and women, and for class and race inequalities are considered.

Sociology 159. Technology and Society: Conference Course

Catalog Number: 4394

Shyon Stephan Baumann

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Examines the relationship between technology and society with a focus on the historical interaction between them as well as the contemporary ethical, political, economic, and cultural issues that are raised by technological development. The extent to which technological change has led to changes in social institutions, social relations, and norms and values is explored. Also, explored are the organizational and society-level determinants of technological advancement and implementation.

[Sociology 160. Medicine, Health Policy and Ethics in Comparative Perspective: Conference Course]

Catalog Number: 3456 Enrollment: Limited to 20.

Mary-Jo Del Vecchio Good (Medical School)

Half course (fall term). Hours to be arranged.

Complements Sociology 162. Provides opportunities to study in greater depth topics of: culture



and political economy of bio-medicine; health policies at national and international levels; and bioethics. Students will read case materials, journal articles and ethnographies as well as conduct “data searches” from the web and from more traditional sources, and choose course projects that may include field research as well as literature or document based studies.

Note: Expected to be given in 2002–03.

[Sociology 162. Medical Sociology]

Catalog Number: 5801

Mary-Jo Del Vecchio Good (Medical School)

Half course (spring term). Hours to be arranged.

Explores current topics in medical sociology, including the work of doctoring, the experience of illness, and the social distribution of health needs and health resources. Examines how medical knowledge, practice, research, and technology are culturally shaped and institutionally organized. Primarily focuses on biomedicine as a cultural system in North America; however, comparative illustrations are drawn from international medicine.

Note: Expected to be given in 2002–03.

[Sociology 166. Poverty, Public Policy, and Controversy]

Catalog Number: 8460

Half course (spring term). Hours to be arranged.

Explores American poverty, changing social attitudes toward “the poor” and the transformation of government’s role in addressing the conditions and affecting the “behavior” of people in poor and near-poor families. Emphasis will be put on integrating quantitative descriptions of poverty (rates, trends, etc), shifting policy debates, and exploring texts and narratives that reveal how low-income people understand and respond to the conditions of living poor in a wealthy society. Issues of race, ethnicity, gender and stigma will be included. Recent research on low-income working mothers/parents and their children and life in post-welfare America will be explored, with a focus on the broad social effects.

Note: Expected to be given in 2002–03.

[*Sociology 168. Sociology of Law: Conference Course]

Catalog Number: 8326

Kenneth T. Andrews

Half course (spring term). Hours to be arranged.

Examines law from a sociological perspective. Particular attention will be given to the historical patterns that have shaped law as a social institution and profession. The relationship of law to politics, culture, and the economy will be studied. Specific topics include the role of law in shaping gender, work, race/ethnicity, and social inequality.

Note: Expected to be given in 2002–03.

Sociology 172. Knowledge and Power: Conference Course

Catalog Number: 0993

Libby Schweber

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Examines the changing place of knowledge in modern society and changing ways of thinking



about the relation of knowledge and power. Readings are organized around three themes: intellectuals in politics, knowledge as a form of discipline and knowledge as a for of liberation. Topics include: Taylorism, Social Policy, Reproductive Technology, AIDS Research, Education and Deviance.

[Sociology 184b. Freedom and Society in the Modern World]

Catalog Number: 4506

Orlando Patterson

Half course (fall term). Hours to be arranged.

A comparative and historical examination of the meanings and experiences of freedom from early modern times to the present. Freedom is viewed and treated less as an idea and more as a cultural chord with institutional implications. The course examines the ways in which social context and political conflicts led to the reconstruction of the medieval heritage of freedom during critical periods of Western history from renaissance Florence down to contemporary America. It concludes with an overview of the spread of freedom in the non-Western world, and the problems of reconciling it with development strategies and traditional values.

Note: Expected to be given in 2002–03.

Sociology 185. Race and Crime in America

Catalog Number: 4244

Lawrence D. Bobo

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Exams sociological thinking and research on race and crime. General theories of involvement in crime and deviance will be discussed with special attention to issues of youth gangs, to impact of poverty and of racial residential segregation on involvement in crime, and the impact of high rates of incarceration on minority communities. The course will address the tightly inter-connected politics of race and crime and the public policy questions raised by high rates of incarceration of minority youth.

[*Sociology 188. Lines that Divide: Race, Class, Gender, and Ethnicity in the Ethnographic Tradition: Conference Course]

Catalog Number: 6496 Enrollment: Limited to 25.

Katherine Newman (Kennedy School)

Half course (fall term). Hours to be arranged.

The ethnographic tradition in sociology — its methods, substance, and theoretical contributions — will be explored through the intensive reading of qualitative literature on African-American communities in poverty, working and middle class families in the throes of economic change, elites confronting meritocratic ideologies, women and men contending with changing definitions of gender roles, and ethnic groups struggling to define the meaning (or loss of significance) of their national origins. Race, class, gender, and ethnicity will be examined as theoretical constructs, sources of division, and avenues of potential integration in American culture. Attention will be given to methods of data collection, analysis, and argument in community studies.

Note: Expected to be given in 2002–03.



[Sociology 191. Cities and Regions: Conference Course]

Catalog Number: 6203

Half course (fall term). Hours to be arranged.

Stresses the interaction of societies and their geographies, focusing primarily on historic and current developments in the United States. Considers demography, technology, institutions, ideology, health, the economy, and other factors.

Note: Expected to be given in 2002–03.

Cross-listed Courses

[*Afro-American Studies 196. Sociological Perspectives on Racial Inequality in America: Seminar]

[Afro-American Studies 196z. Race, Segregation and Inequality](#)

[Psychology 15. Social Psychology](#)

[Women's Studies 125. Gender and Health](#)

Primarily for Graduates

[*Sociology 203a. Methods of Quantitative Sociological Research I](#)

Catalog Number: 3315

Lowell L. Hargens

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Focuses on a matrix approach to regression analysis with an emphasis on the assumptions behind OLS and the consequences of their violation. Extensions are studied including instrumental variables, generalized least squares, probit and logit models, survival analysis, and hierarchical linear models. Provides an introduction to systems of equations, including path models and simultaneous equations.

Note: Required of first-year graduate students in Sociology.

Prerequisite: Sociology 202 or equivalent.

[*Sociology 203b. Methods of Quantitative Sociological Research II]

Catalog Number: 1860

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, or event history analysis. Includes an introduction to time series analysis. Both statistical theory and practical applications will be covered.

Note: Expected to be given in 2002–03. Intended primarily for graduate students in Sociology.

Prerequisite: Sociology 203a.

[*Sociology 203c. Analysis of Categorical Data]

Catalog Number: 2951

Christopher Winship

Half course (spring term). Hours to be arranged.



Provides an introduction to methods for the multivariate analysis of categorical data. Covers loglinear analysis for the applied practitioner. Additional topics include logit and probit analysis, models for ordinal data, multinomial and conditional logit models, path analysis for categorical variables, and latent class analysis. Emphasis on empirical applications in the social sciences.

Note: Expected to be given in 2002–03.

Prerequisite: Sociology 203a or permission of instructor.

***Sociology 204. Sociological Theory: Seminar**

Catalog Number: 6189

Libby Schweber

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

A survey and critical analysis of sociological theory from the late 19th century through the 1960s. Emphasis placed on the practical application theory, especially its ability to help us formulate explanations to social phenomenon and to develop empirical tests of those explanations.

Note: Required of first-year graduate students in Sociology.

Sociology 206. The Sociology of Development: Seminar

Catalog Number: 9026

Martin K. Whyte

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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 207. Gender and Sexuality: Seminar]

Catalog Number: 4080

David J. Frank

Half course (spring term). Hours to be arranged.

Argues that “gender” and “sexuality” are neither fixed in reality nor free floating in space but rather institutionalized in a limited set of dynamic cultural and organizational arrangements, such as the state and science. The configuration of these arrangements sets the boundaries within which gender and sexuality have meaning and motivate action in society at large.

Note: Expected to be given in 2002–03.

***Sociology 208. Contemporary Theory and Research: Seminar**

Catalog Number: 6080

David R. Gibson

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Develops tools for the construction of sociological theory. Compares major contemporary sociological theories and their applications to the study of social organization. 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**

Catalog Number: 1198

Katherine Newman (Kennedy School) and Prudence L. Carter

Half course (fall term). M., 9–11. EXAM GROUP: 2, 3

Examines the main approaches and methodological assumptions in the analysis of non-numerical data by comparative, interpretive, and historical sociologists. Reviews methods of linking and presenting varied data bases and main criteria for establishing validity and reliability in the analysis of field notes, archival, published, and other kinds of qualitative 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 (fall term). W., 3–5. EXAM GROUP: 8, 9

Special problems occur in the interpretation of results based on non-experimental data — whether they are from surveys, historical research, field work, or other sources. These issues apply to both quantitative and qualitative studies, and are different from those resolved through statistical solutions. We consider the assumptions employed, their appropriateness, and various solutions.

[Sociology 217. Sociology of Families and Kinship: Seminar]

Catalog Number: 8522

Martin K. Whyte

Half course (spring term). Hours to be arranged.

Examines recent theoretical approaches and empirical research on family patterns, combining focus on how and why family patterns vary and change over time while examining how individuals differ in their experience of life course transitions, such as marriage, childbearing, employment, divorce, and retirement.

Note: Expected to be given in 2002–03.

[*Sociology 220. Globalization: Seminar]

Catalog Number: 0150

David J. Frank

Half course (fall term). Hours to be arranged.

Argues that globalization is pervasively consequential for contemporary social life. Begins by exploring the substance of globalization, its origins and its economic, political, and cultural dimensions. Then looks at globalization's consequences, particularly for nation-states, organizations, and persons.

Note: Expected to be given in 2002–03.

***Sociology 221. Immigration, Identity and Assimilation: Seminar**

Catalog Number: 9699 Enrollment: Limited to 15.

Mary C. Waters

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

Examines the experiences of immigrants who have arrived in the United States since 1965 and their children — the second generation. Patterns of economic, political, and social assimilation,



as well as ethnic identity formation will be reviewed. Recent theories and empirical research on the link between identity and economic assimilation will be discussed.

***Sociology 224. Organizational Analysis**

Catalog Number: 8202

Peter V. Marsden

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Surveys sociological perspectives on organizations and environments. Reviews classical and contemporary theories of bureaucracy and organization-environment relations. Attention to perspectives including ecological, institutional, resource dependence, transaction-cost, agency theory, learning theory, and organizational culture. Examination of phenomena at multiple levels from the establishment to the organizational network or field.

[Sociology 226. Topics in Social Organization]

Catalog Number: 9258

Peter V. Marsden

Half course (fall term). Hours to be arranged.

Recent theory and research on social organization, including both organizational analysis and social networks. Topics may include network exchange theory, organizational ecology, and social influence models, among others. Some attention to quantitative techniques useful in the study of social organization, including event-history analysis, event-count analysis and multilevel analysis. It is expected that students enrolling will have graduate-level background in the study of social organization and social networks.

Note: Expected to be given in 2002–03.

[*Sociology 227. Political Sociology: Seminar]

Catalog Number: 6042

Kenneth T. Andrews

Half course (fall term). Hours to be arranged.

Examines the field of political sociology including the theoretical and programmatic statements of classical theorists and recent debates in the field. A wide range of substantive topics will be covered including the state and economy, revolution and warfare, social inequality and policy, democracy and political participation, social movements and interest groups.

Note: Expected to be given in 2002–03.

***Sociology 232. Social Movements: Seminar**

Catalog Number: 1333

Kenneth T. Andrews

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Introduces major theoretical approaches to the study of social movements and explores central topics of contemporary research including protest cycles, the social and cultural basis of movement participation, countermovements, repression and the state, the internal organization of movements, and the consequences of movements. Illustrative studies will be examined to reflect on the strengths and limitations of various approaches.



[Sociology 237. Contemporary Chinese Society: Seminar]

Catalog Number: 4320

Martin K. Whyte

Half course (fall 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 2002–03.

[Sociology 244. Topics in Economic Sociology]

Catalog Number: 8692

Mariko Chang

Half course (fall term). Hours to be arranged.

Introduction to the field of economic sociology at the graduate level. The course is structured around 3-5 “sub-topics” within the economic sociology literature. This structure should permit a nice balance between breadth and depth, while permitting graduate students to explore material in greater detail than would be feasible in most introductory courses at the graduate level.

Note: Expected to be given in 2002–03.

[Sociology 248. Race, Politics, and Social Inequality]

Catalog Number: 8035

Lawrence D. Bobo

Half course (spring term). Hours to be arranged.

Examines the place where race, public will, and policy-making intersect and reviews theories of race-making and racial inequality, the dynamics of public opinion, and the effects of a racialized public sphere on social policy. Focused attention will center on the shaping of the welfare state, crime and the criminal justice system, and the social and political dynamics of an increasingly multiethnic society.

Note: Expected to be given in 2002–03.

***Sociology 249. “Race,” Culture and Social Structure: Seminar**

Catalog Number: 5727

Orlando Patterson

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The seminar will examine the socio-economic and cultural dimensions of racial inequality in the United States. Both the external and institutional factors accounting for inequality as well as the internal problems of black social life and culture will be examined. We will also explore the political and economic consequences of various policies aimed at reducing inequality such as affirmative action. Particular attention will be given to family structure and gender relations and to the policies relating to them. All points of view will be considered.

***Sociology 250. Culture: Current Issues in the Study of Taste: Seminar**

Catalog Number: 4641

Stanley Lieberson

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Reviews and evaluates both theoretical and empirical efforts to understand the social context in which tastes operate in daily life. Focus is on existing debates and new directions in this area.



Although not required, students can use the seminar to develop their current projects in this area, or to develop new ones.

[*Sociology 251. Gender and Organizations: Seminar]

Catalog Number: 4645

Half course (fall term). Hours to be arranged.

Examines the role of gender in work organizations, with an emphasis on current research.

Considers the effects of organizational practices on women's and men's work opportunities and rewards, factors that affect organizations' sex composition, and the effects of sex composition of organizational outcomes.

Note: Expected to be given in 2002–03.

Prerequisite: Graduate standing and a graduate level class in multivariate statistics.

Sociology 256. Sociology of Education: Seminar

Catalog Number: 7794

Prudence L. Carter

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The course will examine current theory and research about education's role in modern society, including: sources of educational change; organizational context of schooling; impact of schooling on social stratification and cultural reproduction; and the relationships between the educational system and other social institutions.

[*Sociology 259. Civic Engagement: Theories, Research, and Strategies]

Catalog Number: 8759

Theda Skocpol and Marshall Louis Ganz

Half course (spring term). Hours to be arranged.

Surveys theories and empirical research about civic engagement in the United States and other democracies, and considers practical strategies attempted by movements and actors seeking to enhance civic participation. Each seminar member will develop a research project or proposal.

Note: Expected to be given in 2002–03.

Prerequisite: Permission of the instructor required.

Sociology 260. Values Orientations and Life Course Decisions: Seminar

Catalog Number: 0472

Ronny Jean Lesthaeghe (University of Brussels)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Addresses whether or not value orientations have any predictive power in sorting individuals over paths of their life courses, and to what extent particular life course transitions cause shifts in value orientations. Makes use of the existing empirical literature in both the US and Europe; makes connections with various theories of an economic, sociological and demographic nature. Panel data and cross-sectional evidence will be analyzed.

Prerequisite: Requires some basic notions of multivariate analysis.

[*Sociology 271. Sociology of Culture]

Catalog Number: 5401



Jason A. Kaufman

Half course (fall term). Hours to be arranged.

A review of contemporary themes and approaches in the sociology of culture. Topics will include theories of media and mass society; high-brow and low-brow in cultural consumption; class, culture, and power; the production of culture; neo-institutionalism and the dissemination of schema; culture and cognition; incorporating culture in macro-theories of social change; and current methodological strategies for the empirical study of cultural processes.

Note: Expected to be given in 2002–03.

***Sociology 275. Social Network Analysis**

Catalog Number: 6899

Peter V. Marsden

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Teaches concepts and methods for studying social structure in terms of social relationships or social networks. Approaches to collection of network data; issues of data quality; analysis of total network data via graph-theoretic techniques, multidimensional scaling, block models and related methods; analysis of survey network data on interpersonal environments of individuals.

[*Sociology 290. Sociological Field Methods]

Catalog Number: 4613

Gwendolyn Dordick

Half course (fall term). Hours to be arranged.

An intensive exploration of strategies, practices, and problems in the sociological investigation of natural settings with a principal focus on gaining practical experience in the field. In addition to smaller exercises, students will complete two significant research projects. Classroom time will be spent analyzing and debriefing issues that arise in the course of conducting these projects.

Note: Expected to be given in 2002–03. Open to all graduate students 2nd year and above.

***Sociology 296a. Proseminar on Inequality and Social Policy I**

Catalog Number: 6231 Enrollment: Limited to 18.

David Tabor Ellwood (Kennedy School)

Half course (fall term). M., 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: Jointly offered with the Kennedy School as HLE-511.

[*Sociology 296b. Proseminar on Inequality and Social Policy II]

Catalog Number: 0193

Half course (spring term). Hours to be arranged.

Deals with the reasons for changes in economic inequality, including changes in the supply and demand for skills, employment patterns, living arrangements, residential segregation by race and class, discrimination against women and minorities, immigration, the growth of the welfare state, and recent changes in welfare regulations.

Note: Expected to be given in 2002–03.



Cross-listed Courses

Government 2008 (formerly Government 2141). History, Institutions, and Political Analysis

***Government 2340. Proseminar on Inequality and Social Policy II**

***Government 3004. Research Workshop in American Politics**

***Psychology 2630. Social Behavior in Organizations: Seminar**

Graduate Courses of Reading and Research

***Sociology 300. Workshop on “Race,” Minority Studies and Public Policy**

Catalog Number: 6654

Orlando Patterson 1091

Half course (spring term). W., 12–2.

The workshop will be a venue for graduate students and other 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

Mary C. Waters 1498, Kenneth T. Andrews 3604, Lawrence D. Bobo 2919, Prudence L. Carter 3973, Mariko Chang 1563 (on leave 2001-02), Gwendolyn Dordick 3011, David J. Frank 1893 (on leave fall term), David R. Gibson 3976, Mary-Jo Del Vecchio Good (Medical School) 7721, Christopher Jencks (Kennedy School) 2160, Jason A. Kaufman 2147 (on leave 2001-02), Ronny Jean Lesthaeghe (University of Brussels) 4200, Stanley Lieberson 1937, Peter V. Marsden 1797, Judah Matras 4177, Katherine Newman (Kennedy School) 2651, Orlando Patterson 1091, Libby Schweber 3018, Theda Skocpol 1387 (on leave spring term), Martin K. Whyte 3737 (on leave spring term), and Christopher Winship 3189 (on leave 2001-02)

***Sociology 302. Direction of Doctoral Dissertation**

Catalog Number: 5021

Members of the Department and others listed under Sociology 301.

[*Sociology 303a. Advanced Topics in Quantitative Research]

Catalog Number: 5636

Christopher Winship 3189 (on leave 2001-02)

Half course (fall term; repeated spring term). Hours to be arranged.

Examines current methodological scholarship in sociology with an eye to assessing its quality and potential for advancing quantitative methods within the discipline. Recently published and unpublished work examined.

Note: Expected to be given in 2002–03.

***Sociology 305. Teaching Practicum**

Catalog Number: 0259

Kenneth T. Andrews 3604 and staff

Half course (fall term). F., 12–2.



Note: Normally limited to Teaching Fellows and Section Leaders in Sociology. Attendance at first meeting is required.

***Sociology 306r. Colloquium in Sociology**

Catalog Number: 4818

Libby Schweber 3018

Half course (fall term; repeated spring term). Th., 12–2.

A seminar for advanced graduate students that provides a forum for presentation of their research, especially dissertation research. Only graduate students in sociology may register for credit. Students registered for credit must make a seminar presentation during the term.

***Sociology 307 (formerly *Sociology 297). Workshop on Social Policy**

Catalog Number: 0137

Katherine Newman (Kennedy School) 2651

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Students who have completed Sociology 296a or 296b may enroll in this workshop where they will develop their papers from the previous year's course into professional presentations and publishable articles, critique fellow student papers across disciplines, and discuss at length the presentation of national experts who appear in the seminar on inequality and social policy.

Note: Jointly offered 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 310r. Colloquium in Social Movements, Politics, and Religion**

Catalog Number: 1316

Kenneth T. Andrews 3604

Half course (fall term; repeated spring term). Hours to be arranged.

Bi-weekly colloquium for graduate students that examines social movements, politics and religion. Students will participate in meetings and present original research.

South Asian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on South Asian Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*Chair*)

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Culture

Sugata Bose, Gardiner Professor of Oceanic History and Affairs (*on leave spring term*)

Pramod Chandra, George P. Bickford Professor of Indian and South Asian Art



Diana L. Eck, Professor of Comparative Religion and Indian Studies (*on leave fall term*)
 William A. Graham, Jr., Albertson Professor of Middle Eastern Studies and Professor of the History of Religion
 Jay H. Jasanoff, Diebold Professor of Indo-European Linguistics and Philology (*on leave spring term*)
 Sheila S. Jasanoff, Professor of Science and Public Policy (*Kennedy School, Public Health*)
 Arthur Kleinman, Professor of Medical Anthropology in the Faculties of Medicine and Arts and Sciences
 C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science
 John H. Mansfield, John H. Watson Jr., Professor of Law (*Law School*)
 Stephen A. Marglin, Walter S. Barker Professor of Economics
 Richard H. Meadow, Senior Lecturer on Anthropology
 V. Kasturi Rangan, Professor of Business Administration (*Business School*)
 Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave spring term*)
 Sharmila Sen, Assistant Professor of English and American Literature and Language (*on leave fall term*)
 Stanley J. Tambiah, Esther and Sidney Rabb Professor of Anthropology
 Frank E. Vogel, Assistant Professor of Law (*Law School*)
 Calvert Watkins, Victor S. Thomas Professor of Linguistics and the Classics
 Stephanie W. Jamison, Gardner Cowles Associate Professor of Sanskrit and Indian Studies
 Jeffrey G. Williamson, Laird Bell Professor of Economics
 Irene J. Winter, William Dorr Boardman Professor of Fine Arts
 Michael Witzel, Wales Professor of Sanskrit
 Richard Wolf, Assistant Professor of Music (*on leave 2002-03*)
 Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies

The Committee on South Asian Studies is a multidisciplinary group of scholars appointed to coordinate teaching and research on South Asia (Bhutan, Bangla Desh, India, Maldives, Pakistan, Nepal, Sri Lanka, and the 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 sponsors lectures, seminars, conferences, films, and exhibitions on South Asia. Its various interdisciplinary seminars are open to all students and faculty members. There is no separate degree program, but degrees can be sought in the Department of Sanskrit and Indian Studies, which offers undergraduate concentrations in both Sanskrit Studies and Indian Studies. Advanced degrees (A.M., Ph.D.) are only offered in Sanskrit and Indian Studies combined, requiring the student to study advanced Sanskrit. Other departments and programs affiliated with the South Asia Committee may also offer degrees; applicants should contact those departments directly.

The courses listed below deal directly or indirectly with the study of South Asia. A more detailed description of these courses may be found in this catalog under the appropriate department or committee. Other relevant courses are listed in the catalogs of the schools of Business, Divinity, Education, Public Health, Law, and the Kennedy School of Government.

Anthropology [145], 152, 205a, 205b, [273], 311, 323, 324



Comparative Literature 207

Economics [1361], 1366, [1368], 1390, 2390b, 2390d

English 90ui, 167p, 168

Freshman Seminar 88

History of Art and Architecture [18d], 183k, [184x]

Hindi, see Urdu 101, 102, 103a, 103b, 105r, 104, 300

History of Science [212]

Indian Studies 91r, 98r, 99, [111], 205a, 205b, [206], [211], [215hf], 216, 302

Linguistics 122, 220ar

Literature and Arts C-18

Nepali 101

Pali 101a, 101b, [102a], [102b], [103r], [300]

Persian 140ar, 140br

Religion 13, [14], 1025, [1026], [1551], [1555], 1585, 1600, 1605, 1650, [2660]

Sanskrit 98r, 101a, 101b, 102a, 102b, [200ar], [200br], 201ar, [202r], 204ar, [206r], [207a], [207b], [208r], [214], 215, 301, 310

Social Analysis 36

Tibetan and Himalayan Studies [101a], [101b], 102a, 102b, [103], 104a, 104b, [105a], [105b], [106], [200a], [201], [202], [203a], [207a], 210, [212], 215, 300, 302, 305

Thai [101a], [101b], 102a, 102b, [103r], 300

Urdu 101, 102, 103a, 103b, 104, 105r, 300

Visual and Environmental Studies 154ar



Special Concentrations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Special Concentrations

Anthony G. Oettinger, Gordon McKay Professor of Applied Mathematics and Professor of Information Resources Policy (*Chair*)

Allan M. Brandt, Professor of the History of Science (*FAS*) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*)

Peter Buck, Senior Lecturer on the History of Science

Deborah D. Foster, Senior Lecturer on Folklore and Mythology (*Director of Undergraduate Studies*)

Robert Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of English (*on leave spring term*)

Stephen M. Kosslyn, John Lindsley Professor of Psychology

Arthur L. Loeb, Senior Lecturer on Visual and Environmental Studies

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking

Sandra Naddaff, Senior Lecturer on Literature

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave spring term*)

Philip Stone, Professor of Psychology

Richard Wolf, Assistant Professor of Music (*on leave 2002-03*)

Application forms and information on completing petitions for Special Concentrations may be obtained from the Committee's office, University Hall B-2.

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 semester 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/UNS.

Statistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Statistics

Donald B. Rubin, Professor of Statistics (*Chair*)

Arthur P. Dempster, Professor of Theoretical Statistics (*on leave spring term*)

S.C. Samuel Kou, Assistant Professor of Statistics

Jun S. Liu, Professor of Statistics

Fabrizia Mealli, Visiting Associate Professor of Statistics

Xiao-Li Meng, Professor of Statistics (*Director of Graduate Studies*)



Mayumi Morimoto, Lecturer on Statistics

Carl N. Morris, Professor of Statistics (*on leave 2001-02*)

David van Dyk, Associate Professor of Statistics (*Head Tutor*)

Steve C. Wang, Lecturer on Statistics (*Head Tutor*)

Wing H. Wong, Professor of Statistics (*FAS*) and Professor of Computational Biology (*Public Health*)

Other Faculty Offering Instruction in the Department of Statistics

Frederick Mosteller, Professor of Mathematical Statistics, (*Emeritus*), (*FAS*), Roger Irving Lee
Professor of Mathematical Statistics (*Public Health*) (*Emeritus*)

Bernard Rosner, Professor of Medicine (*Medical School*)

Alan Zaslavsky, Associate Professor of Statistics (*Medical School*)

In 2001–2002, 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, and moves somewhat faster than these courses, assuming a stronger quantitative orientation. Statistics 102 is comparable to Statistics 104 in its technical level, but is specifically oriented toward biomedical applications and techniques.

Generally, Statistics 104 and 101 will be accepted as fulfilling any requirement or prerequisite which 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 through the network at the Statistics Department home page at www.harvard.edu/~stats/.

Primarily for Undergraduates

***Statistics 91r. Supervised Reading and Research**

Catalog Number: 6641

David van Dyk 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 head tutor.

***Statistics 99hf. Tutorial — Senior Year**

Catalog Number: 4381

David van Dyk 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 alternatively as a half course in the spring term only.

For Undergraduates and Graduates

Statistics 100. Introduction to Quantitative Methods

Catalog Number: 3808

Fabrizia Mealli (University of Florence) (fall term), Fabrizia Mealli (fall term) and Steve C. Wang (spring term)

Half course (fall term; repeated spring term). M., W., F., at 11, and a section meeting to be arranged. EXAM GROUP: 4

Introduces the key ideas underlying statistical and quantitative reasoning, including fundamentals of probability. Topics may include elements of sample surveys, experimental design and observational studies, descriptive and summary statistics for both measured and counted variables, and statistical inference including estimation and tests of hypotheses as applied to one- and two-sample problems, regression with one or more predictors, correlation, and analysis of variance. Emphasizes simple and multiple regression and applications in nonexperimental fields including, but not limited to, economics.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104.

Statistics 101. Introduction to Quantitative Methods

Catalog Number: 5128

Steve C. Wang

Half course (fall term). M., W., F., at 11, and a section meeting to be arranged. EXAM GROUP: 4

Covers the same topics as Statistics 100. Emphasizes the analysis of variance, applied in experimental fields such as psychology and other behavioral sciences.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104.

Statistics 102. Fundamentals of Biostatistics

Catalog Number: 0266

Bernard Rosner (Medical School)

Half course (spring term). M., W., F., at 11, and section meeting 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, study design. Emphasis on applications to medical problems.

Note: Primarily for undergraduates with medical or biological interests.

Statistics 104. Introduction to Quantitative Methods

Catalog Number: 4582

David van Dyk

Half course (fall term). M., W., F., at 11, and a section time to be arranged. EXAM GROUP: 4

Covers the same topics as 100 and 101 combined, at a slightly higher level. Applications will be



drawn from fields such as economics, behavioral and health sciences, policy analysis, and law.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104.

Statistics 110. Introduction to Probability

Catalog Number: 0147

Wing H. Wong

Half course (fall term). Tu., Th., 11:30–1, and a section meeting to be arranged. EXAM

GROUP: 13, 14

A first course in probability pointed toward applications, for students with some calculus. Models include the normal, binomial, exponential, Poisson and gamma distributions. Topics include expectation, independence, conditioning, generating functions, joint distribution and density functions, and limit laws.

Prerequisite: Mathematics 21a or equivalent.

Statistics 111. Introduction to Theoretical Statistics

Catalog Number: 1836

Xiao-Li Meng

Half course (spring term). M., W., F., at 12, and a section meeting 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 analysis of variance.

Prerequisite: Statistics 110 and basic linear algebra.

Statistics 139. Regression Analysis

Catalog Number: 1450

Steve C. Wang

Half course (fall term). Tu., Th., 10–11:30, and a section meeting to be arranged. EXAM

GROUP: 12, 13

An introduction to data analysis using multiple regression. Topics may include model building and diagnostics, graphical checks of assumptions, transformations, multivariate graphics and visualization, exploratory data analysis, tests of significance and confidence intervals, and logistic regression. The course will emphasize analysis and investigation of real datasets using computer software.

Prerequisite: Statistics 100 or equivalent.

Statistics 140. Design of Experiments

Catalog Number: 7112

Mayumi Morimoto

Half course (spring term). W., F., 3:30–5. EXAM GROUP: 8, 9

Statistical designs for the estimation of the effects of treatments in randomized experiments. Topics include brief review of some basic structural inference procedures, analysis of variance, randomized and Latin square designs, factorial designs, nested factorial designs, confounding in blocks, and fractional replications.

Prerequisite: Statistics 100 and 139, or equivalent.



[Statistics 149. Generalized Linear Models]

Catalog Number: 6617

Steve C. Wang

Half course (spring term). Hours to be arranged.

An introduction to the application and theory of generalized linear models. Emphasis is on understanding models and applying them to data. Topics include likelihood theory, exponential families, model specification, model checking and diagnostics, logistic and ordinal regression, log-linear models, quasi-likelihood, generalized estimating equations, and generalized linear mixed models. Applications are drawn from a variety of fields, including medicine, biology, and the social sciences.

Note: Expected to be given in 2002–03.

Prerequisite: Statistics 111 or equivalent and Statistics 139 or equivalent.

Statistics 160. Survey Methods

Catalog Number: 2993

Xiao-Li Meng

Half course (spring term). M., F., 2–3:30. EXAM GROUP: 7, 8

An introductory course to the methodology of sample surveys. Topics cover both design issues (e.g., multi-stagesampling) and analysis methods (e.g., regression estimation). Emphasis will be given to statistical insights and practical feasibility. The common problem of nonresponse in sample surveys will also be addressed.

Prerequisite: Statistics 111 or 139, or permission of instructor.

Statistics 171. Introduction to Stochastic Processes

Catalog Number: 4180

Jun Liu

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introductory course in stochastic processes. Topics include Markov chains, branching processes, Poisson processes, birth and death processes, renewal theory, queuing theory, Brownian motion, and Martingales.

Prerequisite: Statistics 110 or equivalent.

[Statistics 185. Statistical Decision and Forecasting]

Catalog Number: 6788

David van Dyk

Half course (spring term). Hours to be arranged.

The development of a Bayesian approach to the related problems of decision and forecasting. Decision topics will include utility, loss, decision rules, risk, admissibility of decision rules, and decision theoretic aspects of sequential analysis. Forecasting will be developed through the dynamic linear model and include topics such as sequential analysis and smoothing; models for polynomial trends, seasonal trends, and adjustment for covariates; and forecast intervention, monitoring, and error analysis. Theory and computational methods will be developed with a strong emphasis on applications to a variety of data sets.

Note: Expected to be given in 2002–03.

Prerequisite: Statistics 110 or 139 or equivalent.



Primarily for Graduates

Statistics 210. Probability Theory and Statistical Inference I

Catalog Number: 2487

Jun S. Liu

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Random variables, their distributions and densities. Families and exponential families of distributions. Expectation. Independence, product spaces, and joint distributions. Types of convergence. Limit theorems (weak and strong laws, central limit problem). Conditional probability and expectation, multivariate Normal distribution, particular examples of conjugate, marginal, and conditional distributions. Inequalities, approximations, and stochastic simulation. Sampling distributions, likelihood function, sufficiency, and information.

Prerequisite: A course in probability and statistics at least at the level of Statistics 110, 111.

Statistics 211. Probability Theory and Statistical Inference II

Catalog Number: 1946

S.C. Samuel Kou

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduction to statistical inference. Frequency, Bayesian, and decision-theoretic approaches. Likelihood, sufficiency, multivariate Normal distribution, and exponential families. Testing hypotheses and estimation. Maximum likelihood estimation, likelihood ratio tests, linear models, models for frequency data, large and moderate sample approximations, including the delta method.

Prerequisite: Advanced calculus, Statistics 210, or equivalent.

Statistics 214. Causal Inference in Statistics and the Social and Biomedical Sciences

Catalog Number: 4042

Donald B. Rubin and Fabrizia Mealli (University of Florence)

Half course (fall term). Th., 2:30–5. EXAM GROUP: 16, 17, 18

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.

Statistics 215 (formerly Statistics 315a and 315b). Fundamentals of Computational Biology

Catalog Number: 3304

Jun S. Liu and Wing H. Wong

Half course (spring term). F., 1–3:30, Th., 2–4:30. EXAM GROUP: 6, 7, 8, 16, 17, 18

Covers developments in bioinformatics/computational biology in the past 30 years, with emphasis on topics of recent interest. Topics include 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, comparative genomics.

Note: Course will have weekly meetings in both Cambridge and at the School of Public Health with identical content.

**Statistics 220 (formerly Statistics 220r). Bayesian Data Analysis**

Catalog Number: 6270

*David van Dyk**Half course (fall term). M., W., F., at 10. EXAM GROUP: 3*

Begins with basic Bayesian models, whose answers often appear similar to classical answers, followed by more complicated hierarchical and mixture models with nonstandard solutions. Includes methods for monitoring adequacy of models and examining sensitivity of conclusions to change in models. Throughout, emphasis on drawing inferences via computer simulation rather than mathematical analysis.

Prerequisite: Statistics 110 and 111.**Statistics 221. Statistical Computing Methods**

Catalog Number: 5959

*S.C. Samuel Kou**Half course (spring term). Tu., F., 2–3:30. EXAM GROUP: 7, 8, 16, 17*

A study of computing methods commonly used in statistics. Topics include generation of random numbers, Monte Carlo methods, optimization methods, numerical integration, and advanced Bayesian computational tools such as the Gibbs sampler, Metropolis Hastings, the method of auxiliary variables, marginal and conditional data augmentation, slice sampling, exact sampling, and reversible jump MCMC. 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 232 (formerly Statistics 332). Incomplete Multivariate Data]**

Catalog Number: 4196

Half course (fall term). Hours to be arranged.

Methods for handling incomplete data sets with general patterns of missing data, emphasizing likelihood-based and Bayesian approaches. Focus is on the application and theory of iterative maximization methods, iterative simulation methods, and multiple imputation. Includes coverage of some multivariate tools and theory relevant to missing data problems. Real examples are drawn from a variety of fields, including health sciences, history of science, and government.

Note: Expected to be given in 2002–03.*Prerequisite:* A course in probability (Statistics 110-level), a course in theoretical statistics (Statistics 111-level), and knowledge of regression and linear algebra (Statistics 139-level).**[Statistics 239. Advanced Regression Analysis]**

Catalog Number: 7423

Half course (fall term). Hours to be arranged.

Besides the applications done jointly with Statistics 139, students meet separately to develop the theory (multivariate normal, maximum likelihood, likelihood ratio tests, Gauss-Markov, etc.) of linear models. Students do some of the homework assignments from Statistics 139, but also other assignments that differ and are more advanced. Grading is separate from Statistics 139.

Note: Expected to be given in 2002–03.*Prerequisite:* Probability and statistics at the level of Statistics 110 and 111.



Graduate Courses of Reading and Research

***Statistics 301. Special Reading and Research**

Catalog Number: 4474

Arthur P. Dempster 2345 (on leave spring term), Jun S. Liu 3760, S. C. Samuel Kou 4054, Xiao-Li Meng 4023, Carl N. Morris 2178 (on leave 2001-02), Frederick Mosteller 2235, Bernard Rosner (Medical School) 4018, Donald B. Rubin 7966, Steve C. Wang 2581, Wing H. Wong 3759, Alan Zaslavsky (Medical School) 1927, and David van Dyk 2669

***Statistics 302. Direction of Doctoral Dissertations**

Catalog Number: 3382

Arthur P. Dempster 2345 (on leave spring term), S. C. Samuel Kou 4054, Jun S. Liu 3760, Xiao-Li Meng 4023, Carl N. Morris 2178 (on leave 2001-02), Bernard Rosner (Medical School) 4018, Donald B. Rubin 7966, Wing H. Wong 3759, Alan Zaslavsky (Medical School) 1927, and David van Dyk 2669

***Statistics 310hfr. Astrophysics Seminar**

Catalog Number: 9367

David van Dyk 2669

Half course (throughout the year). Tu., 2–4. EXAM GROUP: 16, 17

[Statistics 311. Recent Advances in Markov Chain Monte Carlo Technology]

Catalog Number: 0826

David van Dyk 2669

Half course (fall term). Hours to be arranged.

Starting with a review of such standard techniques as Data Augmentation, the Gibbs sampler, and Metropolis Hastings, the course will focus on recent research papers on such topics as adaptive rejection sampling, the method of auxiliary variables, simulated tempering, the collapsed Gibbs sampler, marginal and conditional data augmentation, the nested EM algorithm, slice sampling, exact sampling, simulated sintering, reversible jump MCMC, regeneration, and sequential MC methods.

Note: Expected to be given in 2002–03.

Prerequisite: Statistics 220 or equivalent.

***Statistics 312r (formerly Statistics 312hfr). Advanced Topics in Statistical Computing**

Catalog Number: 7775

Xiao-Li Meng 4023 4023

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

***Statistics 314r (formerly Statistics 314hfr). Seminar: Non-Parametric Methods**

Catalog Number: 5052

S.C. Samuel Kou 4054 4054

Half course (fall term). Hours to be arranged. EXAM GROUP: 7, 8

***Statistics 316. Research Seminar: Statistics of Complex Systems**

Catalog Number: 4442



Arthur P. Dempster 2345 (on leave spring term) 2345

Half course (fall term). Hours to be arranged. EXAM GROUP: 9

Statistical modeling and analysis applied to complex systems, including climate and ecological systems and complex memory systems used in visual recognition.

[*Statistics 317. Statistical Inference on Probabilistic Reasoning: Research Seminar]

Catalog Number: 1478

Arthur P. Dempster 2345 (on leave spring term)

Half course (spring term). Hours to be arranged.

Study of systems for evidence-based probabilistic reasoning, such as Fisherian, Bayesian, and Dempster-Shafer inference, with applications to inferential analyses, including prediction, risk assessment, and decision analysis.

Note: Expected to be given in 2002–03.

[*Statistics 349r. Analysis of Psychological Data: Issues and Examples]

Catalog Number: 4528

Donald B. Rubin 7966

Half course (fall term; repeated spring term). Hours to be arranged.

Consulting projects on statistical problems arising in psychological and related research areas.

Participants expected to contribute actively to one or more projects.

Note: Expected to be given in 2002–03.

***Statistics 392hfr (formerly Statistics 292r). Topics in Statistics**

Catalog Number: 0925

Donald B. Rubin 7966 7966

Half course (throughout the year). W., 2–3:30. EXAM GROUP: 7, 8

A range of currently active projects. All involve real applications and require mathematical statistical development. Applications include education, census, political science, biomedical research. Techniques include design of experiments, Bayesian modelling, multiple imputation.

Ukrainian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Ukrainian Studies

Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History (*Chair*) (*on leave fall term*)

Patricia R. Chaput, Professor of the Practice of Slavic Languages (*on leave 2001-02*)

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology, Associate of Adams



House (*Acting Chair, fall term*)

Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies (*on leave 2001-02*)

Grzegorz Ekiert, Professor of Government (*on leave 2001-02*)

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

Eric Lohr, Assistant Professor of History (*on leave 2002-03*)

Terry D. Martin, John L. Loeb Associate Professor of the Social Sciences

The Standing Committee on Ukrainian Studies was created by vote of the Faculty on October 29, 1974, to facilitate the systematic study of and coordinate work on Ukrainian subjects throughout the departments of the University. No degree specifically in Ukrainian Studies is offered on either the undergraduate or the graduate level. Students wishing to obtain a higher degree in a particular discipline of Ukrainian Studies, such as language, literature, politics, or history, should first fulfill all the requirements of the department of their scholarly discipline (departments of Government, History, Linguistics, or Slavic Languages and Literatures). Only then should they proceed to the fulfillment of specific qualifications in the Ukrainian aspect of their disciplines under the supervision of the Committee's faculty. The weekly, interdisciplinary Seminar in Ukrainian Studies serves to introduce the methodology, analysis, and specific aspects of Ukrainian disciplines. Attendance at the seminar, therefore, is a prerequisite for any further study.

Working in cooperation with the graduate students and faculty of the Ukrainian Research Institute, founded in June 1973, the Committee sponsors events and activities of interest to specialists in Ukrainian studies. The Institute also maintains a research library and publications office. Specific questions concerning Ukrainian Studies and requests for the pamphlet describing Ukrainian Studies at Harvard should be addressed to the Director of the Institute, at 1583 Massachusetts Avenue, Cambridge, MA 02138.

Primarily for Graduates

***Ukrainian 200. Ukrainian Studies: Seminar**

Catalog Number: 7927

Roman Szporluk, Michael S. Flier, George G. Grabowicz and staff

Full course. M., 4–6. EXAM GROUP: 9

Interdisciplinary seminar concentrating on methodological aspects of the Ukrainian disciplines. Seminar members and guests from other departments of the University and other universities discuss specific topics from analytical and comparative perspectives. Covers history, philology, linguistics, literature, Orientalism, art, sociology, economics, and political science.

Cross-listed Courses

[Comparative Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course]

[History 1512 (formerly History 1541). 20th-Century Ukraine]

[History 1515 (formerly History 1542). States and Nations: 1905-1991: Conference 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 Modern \(19th- and 20th-Century\) Ukrainian Literature](#)

[Slavic 166. Russian-Ukrainian Literary Relations in the 19th Century: Conference Course]

[Slavic 201. Introduction to East Slavic Languages]

[Slavic 222. 20th-Century Ukrainian Poetry, 1905 to World War II]

[Slavic 223. 19th-Century Ukrainian Poetry]

[Slavic 292. 20th-Century Ukrainian Prose](#)

Visual and Environmental Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Visual and Environmental Studies

Marjorie Garber, William R. Kenan, Jr. Professor of English (*Chair*)

Jackie Brookner, Visiting Lecturer on Visual and Environmental Studies

Giuliana Bruno, Professor of Visual and Environmental Studies (*on leave 2002-03*)

Martha Diamond, Visiting Lecturer on Visual and Environmental Studies

Jim Dow, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Piotr Dumala, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Lorraine Ferguson, Visiting Lecturer on Visual and Environmental Studies

Christian Garnett, Visiting Lecturer on Visual & Environmental Studies

Elizabeth Grosz, Visiting Lecturer on Visual and Environmental Studies

Alfred F. Guzzetti, Osgood Hooker Professor of Visual Arts (*on leave fall term*)

Hal Hartley, Visiting Lecturer on Visual and Environmental Studies

Susan Hauptman, Visiting Lecturer on Visual and Environmental Studies

Volker Heinze, Visiting Lecturer on Visual and Environmental Studies (*Universität GH Essen*)

Bruce Jenkins, Senior Lecturer on Visual and Environmental Studies

Isaac Julien, Visiting Lecturer on Afro-American Studies and on Visual and Environmental Studies

Klaus Kertess, Visiting Lecturer on Visual and Environmental Studies, Lecturer on Visual & Environmental Studies

Chris Killip, Professor of Visual and Environmental Studies

Ken Kobland, Visiting Lecturer on Visual and Environmental Studies

H. Peik Larsen, Lecturer on Visual and Environmental Studies (*Head Tutor*)



Annette Lemieux, Professor of the Practice of Studio Arts in Visual and Environmental Studies
 Julian Lethbridge, Visiting Lecturer on Visual and Environmental Studies
 Arthur L. Loeb, Senior Lecturer on Visual and Environmental Studies
 Martin Maloney, Visiting Lecturer on Visual and Environmental Studies
 Ross S. McElwee, Visiting Lecturer on Visual and Environmental Studies
 Nancy Mitchnick, Rudolf Arnheim Lecturer on Studio Arts (*on leave 2001-02*)
 Robb Moss, Rudolf Arnheim Lecturer on Filmmaking
 Mark Nash, Visiting Lecturer on Visual and Environmental Studies (*University of East London*)
 Elaine Engel Reichel, Visiting Lecturer on Visual and Environmental Studies
 William P. Reimann, Senior Preceptor in Visual and Environmental Studies
 Sage Sohler, Lecturer on Visual and Environmental Studies
 John R. Stilgoe, Robert and Lois Orchard Professor in the History of Landscape Development
 (*on leave 2001-02*)
 Paul Stopforth, Visiting Lecturer on Visual and Environmental Studies
 Patrick Strzelec, Rudolf Arnheim Lecturer on Studio Arts (*on leave fall term*)
 Steven Subotnick, Visiting Lecturer on Visual and Environmental Studies

Other Faculty Offering Instruction in the Department of Visual and Environmental Studies

George P. Baird, G. Ware Travelstead Professor of Architecture (*Design School*)
 John Beardsley, Senior Lecturer in Landscape Architecture (*Design School*)
 Ann Forsyth, Associate Professor of Urban Planning (*Design School*)
 Jeffrey Huang, Associate Professor of Architecture (*Design School*)
 Eric Rentschler, Professor of German (*spring term only*)
 Peter G. Rowe, Raymond Garbe Professor of Architecture and Urban Design and Dean of the
 Graduate School of Design (*Design School*)
 Kurt Stallmann, Assistant Professor of Music (*spring term only*)
 François C. D. Vigier, Charles Dyer Norton Professor of Regional Planning (*Design School*)
 Sarah Whiting, Assistant Professor of Architecture (*Design School*)

Many courses in Visual and Environmental Studies are subject to limitation of enrollment. No pre-enrollments are accepted; apply at first class meetings only. VES concentrators in studio courses are expected to attend the Thursday evening lectures held at the Carpenter Center for the Visual Arts. Ordinarily, courses numbered 1-10 precede higher numbered two-digit courses. VES concentrators must complete four one- or two-digit courses by the end of the sophomore year. Attention is also called to courses listed in the catalog of the Graduate School of Design and the MIT Institute for Advanced Visual Studies.

Primarily for Undergraduates

[*Visual and Environmental Studies 2aar. 2-D Black and White Design: Beginning Studio Course](#)

Catalog Number: 2930 Enrollment: Limited to 12.

Paul Stopforth

Half course (fall term). Tu., Th., 1–4. EXAM GROUP: 15, 16, 17

Through short assignments, longer projects, slide talks, and informal critiques, this class will



provide a firm foundation in the abstract principles of organization that underlie all forms of pictorial representation. This is a basic vocabulary course very useful for intelligent development of future artwork in all media.

***Visual and Environmental Studies 3aar (formerly *Visual and Environmental Studies 3abr). 3-D Artmaking and Design: Beginning Studio Course**

Catalog Number: 0442 Enrollment: Limited to 12.

Patrick Strzelec

Half course (fall term). M., 6–9 p.m., W., 9–12. EXAM GROUP: 2, 3, 4

Students will work with an assortment of tools, techniques, and materials to solve specific 3-dimensional problems and basic sculpture concerns. The course will be based on spatial thinking that deals with point, line, plane, mass, balance, and form.

***Visual and Environmental Studies 4abr. The Art of Color: Beginning Studio Course**

Catalog Number: 6811 Enrollment: Limited to 12.

Martha Diamond

Half course (spring term). W., 1–5, and 6–8 p.m. EXAM GROUP: 6, 7, 8, 9

Color and perception, seeing and manipulating. Application in oil painting, collage, and monotype. Includes two primary elements: doing and exploring classic color problems and applying solutions to oil painting. In color studies learn to see, identify, and use color for its numerous effects. In painting, learn to mix color, use different mediums and various treatments of the paint itself. Try different surfaces, grounds, and brushes. Study the effect of technique on idea and aesthetics.

[*Visual and Environmental Studies 7abr. Design of the Page: Graphic Design and Typography: Beginning Studio Course]

Catalog Number: 0502 Enrollment: Limited to 12.

Lorraine Ferguson

Half course (spring term). Hours to be arranged.

Students will learn to use type expressively so that it both is an image and powerfully communicates a message. Beginning with basic elements, we will gradually add levels of complexity (variable type weights, sizes, styles, color, and other elements, including illustrations). We will analyze historical examples of “page” designs (as in books, posters, banners, tickets, labels, signs, maps, advertisements, etc.) that are content-driven, taking into account message, function, and audience, and will critique formal qualities of composition, proportion, contrast, and color as they relate to the overall concept and visual and semantic effectiveness.

Note: Expected to be given in 2002–03.

***Visual and Environmental Studies 10aar. Fundamentals of Drawing: Studio Course**

Catalog Number: 7057 Enrollment: Limited to 20.

William P. Reimann

Half course (fall term). Tu., Th., 8:30–11:30. EXAM GROUP: 10, 11, 12, 13

Studio problems develop the draftsman’s way of knowing through observation, formulation, and articulation. Class discussions develop visually oriented critical ability. Numerous drawing



media are introduced. Outside assignments are a regular part of the course, extending studio projects to encourage independent experiment and individual exploration.

***Visual and Environmental Studies 10aaxr. Fundamentals of Drawing: Beginning Studio Course**

Catalog Number: 4704 Enrollment: Limited to 12.

Paul Stopforth

Half course (fall term). M., W., 1–4. EXAM GROUP: 6, 7, 8

Using a variety of graphic media, this course will develop responses and explore possibilities in the process of drawing. A diverse range of hand made and found objects will function as source materials for much of the course in which observation, structural principles, and expressive procedures will be articulated in the making of drawings. Individual and group discussion will focus on work in progress. There will be occasional slide presentations and museum visits.

***Visual and Environmental Studies 10abr. Fundamentals of Drawing: Studio Course**

Catalog Number: 5332 Enrollment: Limited to 20.

William P. Reimann

Half course (spring term). Tu., Th., 8:30–11:30. EXAM GROUP: 10, 11, 12, 13

See description for Visual and Environmental Studies 10aar.

***Visual and Environmental Studies 10abxr. Fundamentals of Drawing: Beginning Studio Course**

Catalog Number: 7158 Enrollment: Limited to 12.

Paul Stopforth

Half course (spring term). M., W., 1–4. EXAM GROUP: 6, 7, 8

See description for Visual and Environmental Studies 10aaxr.

***Visual and Environmental Studies 10b. Intermediate Drawing: Studio Course**

Catalog Number: 1763 Enrollment: Limited to 20.

William P. Reimann

Half course (spring term). Tu., Th., 1–4. EXAM GROUP: 15, 16, 17

Continuation and extension of VES 10a. Studio problems are viewed against drawing traditions and conventions, raising questions of value and interpretation. Field trips and required independent work demand selectivity and judgement to compose using more complex media. Emphasis on individual growth and cultivation of self-critical ability.

Prerequisite: VES 10a or equivalent preparation (to be validated by portfolio presentation and interview).

***Visual and Environmental Studies 11aar (formerly *Visual and Environmental Studies 11abr). Fundamentals of Figure Study: Studio Course**

Catalog Number: 7311 Enrollment: Limited to 15.

William P. Reimann

Half course (fall term). Tu., Th., 1–4.

Study of the figure by drawing from the model and from other sources. The basis for further work includes, but is not limited to, simplified osteological drawings, elementary studies in three dimensions, from observation of human and other skulls, parts, assemblies, concluding with the



whole skeleton. A unit on gross topographic anatomy will follow. Daily outside related assignments are designed to build skills in graphically managing mass, achieving a degree of control over landscape space, and in designing and composing the page. Students should bring a portfolio of previous work to the first class. Recommended preparation: minimum of a term's work in basic drawing.

***Visual and Environmental Studies 12aar. Mixed Media: Drawing Into Painting: Studio Course**

Catalog Number: 7913 Enrollment: Limited to 12.

Julian Lethbridge

Half course (fall term). W., 1–5, and 6–8 p.m. EXAM GROUP: 6, 7, 8, 9

Different means of giving form to an idea or impulse, the mutability of an idea through its development from one medium to another and the altered means that may emerge will be explored within studio practice primarily involving painting and drawing although some elemental printmaking may be included. Studio projects will involve representation and abstraction, include assigned readings, an examination of diverse, primarily 20th—century artists, and class critiques and discussions. The course is directed towards acquiring both practical skills and self-awareness, and to function as a laboratory of experimentation from which everyone can learn from one another.

***Visual and Environmental Studies 15aar. Fundamentals of Printmaking: Beginning Studio Course**

Catalog Number: 8651 Enrollment: Limited to 12.

H. Peik Larsen

Half course (fall term). M., W., 1–4. EXAM GROUP: 6, 7, 8

Relief prints made from wood, linoleum, plastic, metal, and plaster will be explored in small to large sizes. Photo relief and stencil prints will also be made. Work will be done in black and white.

Note: No previous printmaking experience required.

***Visual and Environmental Studies 15abr. Silkscreen: Beginning Studio Course**

Catalog Number: 0844 Enrollment: Limited to 12.

Annette Lemieux

Half course (spring term). M., W., 9–12. EXAM GROUP: 2, 3, 4

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. Via slide presentations the class will be introduced to the work of artists such as Rauschenberg, Warhol, Polke, and others who use the silkscreen process.

***Visual and Environmental Studies 16abr. The Painterly Print: Monotype/Monoprint Workshop**

Catalog Number: 3443 Enrollment: Limited to 12.

H. Peik Larsen

Half course (spring term). Tu., Th., 1–4. EXAM GROUP: 15, 16, 17

This hands-on investigation of transfer processes will use many printmaking materials and mono-printing techniques. A wide variety of images will evolve through artist-generated



matrices and creative printing procedures such as offset, trace monotype and counter-proofing. Emphasis is on development of ideas and personal vocabulary through experimentation and variation.

Note: No previous printmaking experience required.

***Visual and Environmental Studies 20aar. Painting Space, Part I: Beginning Studio Course**

Catalog Number: 4153 Enrollment: Limited to 12.

Christian Garnett

Half course (fall term). M., 1–5, and 6–8 p.m. EXAM GROUP: 6, 7, 8, 9

This introductory painting class will focus on developing a physical connection to the tools and materials of painting. Using traditional and non-traditional methods, we will explore relationships between color, light, form and space. Students will learn to handle paint with courage and confidence. There will be readings and discussions of meanings and methods of painting throughout history. Slide talks, critiques, demonstrations, and exercises will support various specific projects.

[*Visual and Environmental Studies 20abr. Grounds for Painting: Beginning Studio Course]

Catalog Number: 3106 Enrollment: Limited to 12.

Paul Stopforth

Half course (spring term). Hours to be arranged.

Through a range of explorative processes this course will function as a ground within which a variety of painterly possibilities are constructed. The emphasis will be on the practice of painting in developing relationships to material, mark, surface, color, pictorial ambiguity, and meaning. Individual and group discussions will focus on work in progress; there will be occasional slide presentations and museum visits.

Note: Expected to be given in 2002–03.

***Visual and Environmental Studies 20bbr. Painting Space, Part II: Beginning Studio Course**

Catalog Number: 2204 Enrollment: Limited to 12.

Christian Garnett

Half course (spring term). M., 1–5, and 6–8 p.m. EXAM GROUP: 6, 7, 8, 9

This semester we will investigate spatial constructions in painting as we continue to cultivate a physical relationship to the materials. Students will be encouraged to use paint freely while learning to take responsibility for form. Using the model of twentieth century painting, we will identify and solve problems of structure and meaning. Slide talks, readings, demonstrations, critiques, and unusual assignments will complement class projects.

Prerequisite: VES 20aar or another college-level painting class.

***Visual and Environmental Studies 30aar. Fundamentals of Sculpture: Studio Course**

Catalog Number: 6594 Enrollment: Limited to 12.

Patrick Strzelec

Half course (fall term). M., W., 1–4. EXAM GROUP: 6, 7, 8

Students will explore traditional and non-traditional methods of sculpture making. The focus will be on working in the studio with various materials, techniques, and processes, utilizing a hands-



on approach in order to develop a personal vision. Museum and gallery visits will be included, providing a broader context and understanding of the medium.

***Visual and Environmental Studies 30abr. Fundamentals of Sculpture: Studio Course**

Catalog Number: 7185 Enrollment: Limited to 12.

Patrick Strzelec

Half course (spring term). M., W., 1–4. EXAM GROUP: 6, 7, 8

See description for Visual and Environmental Studies 30aar.

***Visual and Environmental Studies 40ar. Fundamentals of Still Photography: Studio Course**

Catalog Number: 2010 Enrollment: Limited to 72.

Chris Killip

Half course (fall term). W., at 11, with three hours lab and three hours section each week to be arranged. EXAM GROUP: 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.

***Visual and Environmental Studies 40b. Photography: Intermediate Studio Course**

Catalog Number: 6256 Enrollment: Limited to 24.

Chris Killip and Sage Sohler

Half course (spring term). M., W., 1–4; or T., Th., 1–4. EXAM GROUP: 6, 7, 8

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: VES 40ar or equivalent preparation (portfolio presentation).

***Visual and Environmental Studies 50. Fundamentals of Filmmaking: Studio Course**

Catalog Number: 4907 Enrollment: Limited to 20.

Alfred F. Guzzetti and Robb Moss

Full course. M., W., 1–5; or Tu., Th., 1–5. EXAM GROUP: 6, 7, 8

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 51ar. Small-Format Video: Introductory Studio Course**

Catalog Number: 7526 Enrollment: Limited to 10.

Steven Peter Ascher and Jeanne Marie Jordan

Half course (spring term). Tu., Th., 1–5. EXAM GROUP: 15, 16, 17

Working alone and in small groups, students make a series of videotapes exploring aspects of contemporary life, television, and themselves.

***Visual and Environmental Studies 51br. Small-Format Video: Studio Course**

Catalog Number: 3838 Enrollment: Limited to 10.

Ross S. McElwee



Half course (fall term). Tu., Th., 1–5. EXAM GROUP: 15, 16, 17

Continuation of VES 51ar but may be taken separately with permission of the instructor. Each student plans, shoots, and edits a videotape of his/her design. Readings, screenings, and class exercises augment individual work.

Note: Students seeking to enroll should come to the first class meeting with an idea and a production plan for a video tape to be completed in the course.

Prerequisite: Prerequisites for admission are VES 51ar, or another course in live action film or video.

***Visual and Environmental Studies 52ar. Introduction to Non-Fiction Video: Studio Course**

Catalog Number: 5337 Enrollment: Limited to 10.

Robb Moss

Half course (fall term). M., W., 1–4. EXAM GROUP: 6, 7, 8

This class will explore the expressive use of digital cameras and computer editing in the production of various exercises and individual projects. Admission is by interview with the instructor.

***Visual and Environmental Studies 53a. Beginning Animation Studio: Beginning Studio Course**

Catalog Number: 1360 Enrollment: Limited to 10.

Steven Subotnick

Half course (fall term; repeated spring term). M., 1–5, F., 1–3. EXAM GROUP: 6, 7, 8, 9

An introduction to the art of animation. Students will gain an understanding of animation aesthetics, concepts and history through a series of exercises, discussions and screenings. Students will complete a variety of short guided projects designed to acquaint them with the main elements of animation. Screenings and discussions will provide a conceptual and historical framework for the exercises. Drawing skills are not necessary.

***Visual and Environmental Studies 54r. Life Stories: Introductory Video Studio Course**

Catalog Number: 6487 Enrollment: Limited to 10.

Alfred F. Guzzetti

Half course (spring term). F., 1–5:30 plus two additional hours of lab to be arranged. EXAM GROUP: 6, 7, 8, 9

Explores the opportunities offered by moving pictures and sound to present nonfiction life stories—biography, autobiography, and diary. Introductory exercises in small-format video lead to a final project of the student's own design. Production work is supplemented by study and discussion of selected films and videotapes.

***Visual and Environmental Studies 80ar. Alternative Histories and Materials: Conceptual Practice Studio Course**

Catalog Number: 8894 Enrollment: Limited to 12.

Elaine Engel Reichel

Half course (fall term). M., 6–9, Tu., 8:30–11:30. EXAM GROUP: 10, 11, 12, 13

An introduction to the metaphoric possibilities of a variety of non-traditional art practices and materials. The use of craft technique, collage, found objects, texts, quotation, and archival



materials will be explored. Lectures, readings, and discussions will focus on alternative narratives and practices in historical and contemporary context, with a particular emphasis on the students' own histories and ideas.

For Undergraduates and Graduates

[*Visual and Environmental Studies 107. Studies of the Built North American Environment since 1580]

Catalog Number: 7883 Enrollment: Limited to 40.

John R. Stilgoe

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2002–03. Offered jointly with the Graduate School of Design as 4105.

***Visual and Environmental Studies 111abr (formerly *Visual and Environmental Studies 111aar). Figure Drawing: Intermediate Studio Course**

Catalog Number: 1265 Enrollment: Limited to 12.

Susan Hauptman

Half course (spring term). T., 1–5 and 6–8 p.m. EXAM GROUP: 15, 16, 17, 18

Intensive studio concentration in the analysis and representation of the human form with an emphasis on the formal and abstract properties of depiction and the defining role of light.

Narrative and metaphor are explored and a series of slide talks address the genre with a particular emphasis on contemporary representation of the body, from Lucien Freud to Cindy Sherman.

Prerequisite: VES 10a and 10b, or portfolio presentation.

[*Visual and Environmental Studies 112aar. Mixed Media: Studio Course]

Catalog Number: 8268 Enrollment: Limited to 12.

Annette Lemieux

Half course (fall term). Hours to be arranged.

For the student who is interested in creating works on paper using a variety of materials and methods. Via slide presentations the class will be introduced to the work of artists who work with mixed media.

Note: Expected to be given in 2002–03.

***Visual and Environmental Studies 120aar. Do it - Do it Again With Love: The Pleasure of Painting: Intermediate/Advanced Studio Course**

Catalog Number: 9127 Enrollment: Limited to 12.

Martin Maloney

Half course (fall term). Tu., Th., 1–4. EXAM GROUP: 15, 16, 17

This course will help you to discover what you are good at painting and how your talents, skills, and interests could be related to both art from the past and art being made today. Personal and group critiques will help you learn what others see when they look at your work. Through



regular research and discussion we will look at contemporary art to clarify what you find mysterious or puzzling as we find out what we expect art to do and be. By the end of the course you will be on your way to establishing your own rules for making successful contemporary art.

***Visual and Environmental Studies 120abr. Painting for the 21st Century: Advanced Studio Course**

Catalog Number: 8087 Enrollment: Limited to 12.

Annette Lemieux

Half course (spring term). M., W., 1–4. EXAM GROUP: 6, 7, 8

Through slide presentations and informal discussions students will be introduced to painters of the 20th century to the present (David Salle, Gary Hume, Jonathan Lasker and others). Students will create paintings focusing on painting techniques with an emphasis on subject matter and content.

***Visual and Environmental Studies 130aar. Building Thought: Intermediate Sculpture Studio Course**

Catalog Number: 4186 Enrollment: Limited to 12.

Annette Lemieux

Half course (fall term). Tu., Th., 8:30–11:30. EXAM GROUP: 10, 11, 12, 13

Through slide presentations, assigned readings and informal discussions, students will be introduced to artists of the 20th century to the present. Students will create works with a variety of materials that will reflect the conceptual concerns of the artists studied (Marcel Duchamp, Marcel Broodthaers, Louise Bourgeois, and others).

***Visual and Environmental Studies 130abr. The Language of Sculpture: Advanced Sculpture Studio Course**

Catalog Number: 4596 Enrollment: Limited to 12.

Jackie Brookner

Half course (spring term). M., 6–9 p.m., Tu., 8:30–11:30. EXAM GROUP: 10, 11, 12, 13

This course will approach making sculpture as a vehicle for exploring one's identity, as an individual and as part of the larger social fabric. Discussions with each student will investigate their creative process, from plumbing one's sources to conceptual development and appropriate materialization. Readings, group discussions, and group critiques will grapple with such issues as: The expanding role of the artist today and how this affects the working process, how the work interacts with the world—as personal expression, as interdisciplinary exploration and/or in response to challenges within contemporary society. The course is intended for more advanced students and admission will be based on interview and portfolio review.

***Visual and Environmental Studies 131. Designing for the Stage: Studio Course**

Catalog Number: 1116 Enrollment: Limited to 12.

J. Michael Griggs

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

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.

***Visual and Environmental Studies 132. Projects in Stage Design: Studio Course**

Catalog Number: 7533 Enrollment: Limited to 12.

J. Michael Griggs

Half course (spring term). Tu., Th., 1–4. EXAM GROUP: 15, 16, 17

The class will complete projects that explore the techniques of the stage designer. Projects may include large-scale scene painting, drafting, and CAD, advanced model making, and working with wood and metal. Some projects will be based on interpretations of dramatic literature to examine both conceptual issues and the practical problems of designing for the stage.

***Visual and Environmental Studies 140ar. Color Photography: Studio Course**

Catalog Number: 0842 Enrollment: Limited to 12.

Sage Sohler

Half course (fall term). M., W., 1–4. EXAM GROUP: 6, 7, 8

A comprehensive introduction to photographing in color. The emphasis on the course will be on producing a body of photographic work using color, negative, and print technology. Attention will also be paid to color transparency materials, color theory, and the history of color photography over the last 25 years. A brief introduction to digital photography will be also included.

Prerequisite: VES 40ar or 40b or portfolio presentation.

***Visual and Environmental Studies 143r. The Photographer as Auteur: Studio Course**

Catalog Number: 2835 Enrollment: Limited to 12.

Chris Killip

Half course (spring term). W., 6–9 p.m. and additional 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 discernable relationship to the subject.

Prerequisite: VES 40ar or 40b or portfolio presentation.

Visual and Environmental Studies 144br. A History of Photography: The 20th Century

Catalog Number: 6161

Jim Dow

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The second semester of a two-semester survey of photographic practice from the inception of the medium through contemporary practice. While all aspects of post-World War I photography will be examined exhaustively, there will be considerable emphasis on work done as personal investigation or expression, as this is a 20th century phenomenon.

Note: Although all students will be required to do visually based projects, in addition to papers, this class is intended for a university-wide audience; a course in 19th century photography is not a prerequisite.



***Visual and Environmental Studies 145r. Photography Now: Studio Course**

Catalog Number: 9355 Enrollment: Limited to 12.

Volker Heinze (Universität GH Essen)

Half course (fall term). Tu., Th., 1–4. EXAM GROUP: 15, 16, 17

This course will undertake an in-depth study of contemporary photographic practice with a special emphasis on German Contemporary Photography (the Düsseldorf School and its followers). Each student will be expected to undertake a major photographic project.

Prerequisite: VES 40ar or 40b or portfolio presentation.

***Visual and Environmental Studies 146br. The Photographic Portrait: Studio Course**

Catalog Number: 5743 Enrollment: Limited to 12.

Chris Killip

Half course (spring term). M., W., 1–4. EXAM GROUP: 6, 7, 8

This course will examine the practical, sociological, historical, and aesthetic issues surrounding portrait photography in parallel with the active participation of each student in his/her own photographic project.

Prerequisite: VES 40ar or VES 40b or portfolio presentation.

***Visual and Environmental Studies 150ar. Film Production: Intermediate Studio Course**

Catalog Number: 4692 Enrollment: Limited to 12.

Hal Hartley

Half course (fall term). M., W., 1–4. EXAM GROUP: 6, 7, 8

All students will make two short pieces (one in film, the other in video) from two of four scripts provided to them by the instructor. The focus of the work is on increasing the student's ability to observe the world around them and to exercise their ability to articulate the impressions gained from that observation.

Prerequisite: VES 50.

***Visual and Environmental Studies 150br. Film Production: Intermediate Studio Course**

Catalog Number: 3934 Enrollment: Limited to 12.

Hal Hartley

Half course (spring term). W., 1–4, M., 6–9 p.m. EXAM GROUP: 6, 7, 8

All students will make one short film or video which is their own original treatment of the topics explored in the previous course (VES 150ar); success or failure in various forms of observation and/or articulation.

Prerequisite: VES 150ar.

***Visual and Environmental Studies 151ar. The Post-Cinematic in Video Art: Studio Course**

Catalog Number: 7965 Enrollment: Limited to 10.

Isaac Julien

Half course (spring term). M., 1–4, Tu., 6–9 p.m. EXAM GROUP: 6, 7, 8

The influence of cinema is everywhere in contemporary art practice. With the advent of new digital technologies producing new spectators, new ways of seeing. This course will explore both the new theoretical and practical implications of this; by utilizing photography, video, performance, and the different “genres” of film styles explored in this new medium, this course



will explore the nexus between these different developments and practices of what can be termed the post-cinematic in video culture.

Prerequisite: At least one course in video production and at least one course in film theory.

***Visual and Environmental Studies 151br. Tricking the Figurative out of the Quotidian: Studio Course**

Catalog Number: 6247 Enrollment: Limited to 10.

Ken Kobland

Half course (fall term). W., 1–4, Th., 10–1. EXAM GROUP: 6, 7, 8, 12, 13, 14

Sophisticated small-format DVvideo allows for a rich reinvention of the personal/immediate as a fecund field of cinematic meaning; “stories” confected out of the manipulation of the medium itself. *Through acts of extraordinary attention* we discover in the “everyday” the necessary figurative spectacle for our concerns. The course examines work which is relevant to this kind of thinking/seeing and requires a series of short DVvideo “chapters” cumulatively resulting in a unique portrait of life and mind.

Prerequisite: One VES half-course in video production.

[*Visual and Environmental Studies 151cr. Timelines: Sound and the Moving Image: Studio Course]

Catalog Number: 6452

Alfred F. Guzzetti and Kurt Stallmann

Half course (spring term). Hours to be arranged.

A series of compositional studies and experiments exploring interrelationships between digital video imagery and sound.

Note: Expected to be given in 2002–03.

Prerequisite: A course in video production or electro-acoustic musical composition.

[*Visual and Environmental Studies 152ar. Women and Film: Production and Criticism]

Catalog Number: 3161 Enrollment: Limited to 40.

Giuliana Bruno

Half course (spring term). Hours to be arranged.

A survey of film history and aesthetics that highlights the contribution of women, from the origin of cinema to recent production. How do women make, and write about, cinema? How does this change the way we look at, and read, images? Comparative analysis of filmic texts is combined with a study of film history and theory, including feminist theory. This work questions image making in relation to filmmaking, film viewing, and film criticism.

Note: Expected to be given in 2002–03.

[*Visual and Environmental Studies 152br. Italian Cinema: History, Geography, and Identity]

Catalog Number: 8324 Enrollment: Limited to 40.

Giuliana Bruno

Half course (spring term). Hours to be arranged.

Examines the creative impact of Italian cinema in the context of Italian culture. What is the place of Italian cinema in film and cultural history? Is “national” cinema a cultural geography? Begins with the aesthetic and political canons of Neorealism, considers its phenomenology and



historicism, and moves from modernism to postmodernism. Analyzes, among others, Rossellini's re-presentation of everyday life, Fellini's opulent theatricality, Antonioni's elegant minimalism, Visconti's operatic design, Pasolini's innovative film theory and practice, and Bertolucci's scenographic fashions. Turning to contemporary times, it considers the impact of women directors and the new imagination of current independent filmmakers.

Note: Expected to be given in 2002–03.

***Visual and Environmental Studies 153br. World Cinema: Questions of Third Cinema**

Catalog Number: 9200 Enrollment: Limited to 40.

Mark Nash (University of East London)

Half course (spring term). M., 6–9 p.m. EXAM GROUP: 9

Course looks at mainly non-European “World” Cinemas, and discusses issues relating to cinematic form and cultural identity. Examines interconnections between non-European cinema and its various cultural and economic contexts. Considers issues of national cinema and the political and cultural constructions of National identity. Studies the work of filmmakers from East Asia, Latin America, India and Africa and investigates the transition from colonial to post-colonial cinema, and the relation of filmmaking and film theory to liberation struggles.

***Visual and Environmental Studies 154ar (formerly Visual and Environmental Studies 159ar). The Moving Image: Film and Visual Representation**

Catalog Number: 2874 Enrollment: Limited to 40.

Giuliana Bruno

Half course (fall term). Th., 10–11:30; Screenings: W., at 7 p.m.; Sections F., at 10 or 11. EXAM GROUP: 12, 13

A survey aimed at developing visual literacy, this introduction to film history looks at major 20th century ideas on art and perception. We examine the invention of film in relation to significant cultural changes in our experience of visual space, and follow the evolution of film as a technique of spatio-visual observation. Addressing socio-sexual space, we see the moving image as product of the age of industrialization and conquest, element of urban culture, and means of imaginary transportation, on the brink of inside-outside. As we analyze case-study films on the subject of home(land), cityscape, and voyage, we provide analytic tools for understanding the language of cinema, and its impact on visual culture.

Note: Recommended as preparation for VES 155ar and VES 155br. Jointly offered with the School of Design as 4131.

***Visual and Environmental Studies 154br. Frames of Mind: Introduction to Film Theory and Film Analysis**

Catalog Number: 0648 Enrollment: Limited to 40.

Giuliana Bruno

Half course (spring term). Th., 10–11:30; Screenings: W., at 7 p.m.; Sections F., at 10 or 11. EXAM GROUP: 12, 13

A basic introduction to the language of film theory, aimed at developing analytic skills to interpret films. We offer a historical survey that spans from turn-of-the-century scientific motion studies to the emotion studies of Hugo Münsterberg, and reaches the virtual movements of our new millennium. We consider Eisenstein's theory of montage, the cultural history of the cinematic apparatus, and the body of physical existence, going from Kracauer to gender studies.



Different theoretical positions open up our understanding of films, and guide us in reading them. Particular attention is paid to theories that enable close analysis of films. In considering cultural transformation, for example, we test Walter Benjamin's view of the age of mechanical reproduction vis-à-vis its contemporary representation in the film *The Matrix*.

Note: Recommended as preparation for VES 155ar and VES 155br. Jointly offered with the School of Design as 4132.

***Visual and Environmental Studies 155ar. Film Architectures: Seminar Course**

Catalog Number: 6864 Enrollment: Limited to 12.

Giuliana Bruno

Half course (fall term). W., 2–4; Screenings: Tu., at 7 p.m. EXAM GROUP: 7, 8

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 is on readings as well as analysis of case study to pursue research projects and make presentations to the seminar. Case study centers on the cine city, with focus on the architecture of theatres, starting from the era of the movie palace.

Note: Active participation in seminarial endeavors is required. Ideally followed with VES 155br. Jointly offered with the School of Design as 4351.

Prerequisite: A course in film studies or the equivalent course in cultural studies.

***Visual and Environmental Studies 155br. A Cultural Study of Film: Mapping and Fashioning Space: Seminar Course**

Catalog Number: 7760 Enrollment: Limited to 12.

Giuliana Bruno

Half course (spring term). W., 2–4; Screenings: Tu., at 7 p.m. EXAM GROUP: 7, 8

The impulse to map (ourselves) is a major drive of contemporary visual culture. Since Fredric Jameson's call for “cognitive mapping”, and artists' return to the art of mapping, cultural studies regard mapping as a critical navigational route. Our cultural history of film looks at this moving field. How does the moving image participate in the shifting architectonics of visibility, space, and the body? How is the body “fashioned” in inner and outer space? Emphasis on readings and case study of relevant films to pursue research projects and make presentations to the seminar. Case study includes the culture of fashion in film.

Note: Active participation in seminarial endeavors is required. May be taken as a continuation of VES 155ar. Jointly offered with the School of Design as 4352.

Prerequisite: A course in film studies or the equivalent course in cultural studies.

***Visual and Environmental Studies 156ar. Intermediate Animation Studio: Intermediate Studio Course**

Catalog Number: 5211 Enrollment: Limited to 10.

Steven Subotnick

Half course (fall term). W., 1–5, Screenings: F., 1–3. EXAM GROUP: 6, 7, 8, 9

Building on basic knowledge gained in Beginning Animation, each student will produce a single animation project in this course. This course will also include more advanced animation techniques and exercises with emphasis on storyboarding, timing and sound design. Screenings



and discussions will play an important role.

Prerequisite: VES 53a or equivalent preparation.

***Visual and Environmental Studies 156br. Intermediate Animation Studio: Intermediate Studio Course**

Catalog Number: 3477 Enrollment: Limited to 10.

Piotr Dumala

Half course (spring term). W., 1–5, Screenings: F., 1–3. EXAM GROUP: 6, 7, 8, 9

A continuation of VES 156ar.

Prerequisite: VES 156ar or equivalent preparation.

***Visual and Environmental Studies 156cr. Animation Workshop**

Catalog Number: 5240 Enrollment: Limited to 10.

Piotr Dumala

Half course (spring term). Th., 1–5, Screenings: F., 1–3. EXAM GROUP: 6, 7, 15, 16, 17, 18

An investigation of frame-by-frame filmmaking through a series of exercises which will culminate in the production of a short animation project. Screenings and discussions will play an important role.

Prerequisite: VES 53a or equivalent preparation.

[Visual and Environmental Studies 157ar. New German Cinema: Oppositional Energies and Utopian Designs]

Catalog Number: 8774

Eric Rentschler

Half course (fall term). Hours to be arranged.

In 1962 twenty-six angry young German directors announced their resolve to revive a moribund national film culture. “New German Cinema” would gain acclaim in the 1970s for interventions marked by subversive narrative strategies and unique formal approaches. We will examine features, shorts, and documentaries by Fassbinder, Herzog, Kluge, Schlöndorff, Straub/Huillet, von Trotta, and Wenders, probing these films’ aesthetic shapes as well as their socio-political and theoretical implications.

Note: Expected to be given in 2002–03.

Prerequisite: No knowledge of German required. Readings, films, and discussions in English.

Visual and Environmental Studies 157br. Film Authorship and Film History: The Cinema of Fritz Lang

Catalog Number: 5171

Eric Rentschler

Half course (spring term). M., W., at 11; Screenings: M., 4 - 6 p.m. EXAM GROUP: 9

The cinema of Fritz Lang is one of circumscribed spaces and controlled settings. Lang himself represents an extreme case of directorial volition, a filmmaker who saw himself as a master of time and space, who took pride in his distinctive vision and singular worlds. And yet, Lang’s films also reflect the impact of different times and spaces, of Germany before Hitler, of Hollywood from the thirties to the fifties, of the Federal Republic during the Cold War era. In our analyses of representative films from the early twenties through the early sixties, we will be particularly concerned with questions of agency and history. To what degree are these works of a



consummate auteur also “other-directed,” i.e. shaped and informed by forces beyond the conscious control of a highly self-conscious artist?

Prerequisite: No knowledge of German required. Readings, films, and discussions in English.

***Visual and Environmental Studies 158br. A History of American Independent Film**

Catalog Number: 8339

Bruce Jenkins

Half course (fall term). M., W., 4–5:30; Screenings: Tu., 4-6; Sections: Hours to be arranged.

EXAM GROUP: 9

This survey course examines the history of alternative practices in narrative cinema in the U.S. produced outside the context of the studio system and often in opposition to dominant forms. Examples from this discontinuous history will be analyzed against the backdrop of the commercial cinema and shifting social, political, economic, and cultural trends across the century. Beginning with the independent movements of the late silent era and continuing through the various “off-Hollywood” and “underground” cinemas of the 1950s and 1960s to the independent feature movement of the 1980s and early 1990s, the course will focus on such topics as the articulation of sexual and racial difference; the influence of artistic movements such as Pop, Beat, Arte Povera, and Minimalism; and challenges to realism in documentary and autobiographical forms.

***Visual and Environmental Studies 159br. Fiction, Narrative, and Form in Film**

Catalog Number: 0242 Enrollment: Limited to 40.

Hal Hartley

Half course (spring term). Tu., 8:30–11. EXAM GROUP: 10, 11, 12, 13

This course will view a wide range of short films and video, including documentary, fiction, and formal works with the aim of distinguishing the concrete differences between each mode, as well as their respective uses of and/or resistance to narrative devices. Students will prepare short weekly essays.

[*Visual and Environmental Studies 160. Modernization in the Visual United States Environment, 1890–2035]

Catalog Number: 6668 Enrollment: Limited to 40.

John R. Stilgoe

Half course (spring term). Hours to be arranged.

Modernization of the United States 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: Expected to be given in 2002–03. Offered jointly with the Graduate School of Design as 4303.

Prerequisite: VES 107 or permission of the instructor.

[*Visual and Environmental Studies 161br. Imagining the City: Literature, Film, and the Arts]

Catalog Number: 4511

Giuliana Bruno and Svetlana Boym



Half course (spring term). Hours to be arranged.

How do visual representation and narrative figuration contribute to construct urban identity? Explores the urban imagination at the crossroad of 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 Paris, Tokyo, Berlin, Moscow, Rome, St. Petersburg, New York, Naples, Shanghai, and Hong Kong.

Note: Expected to be given in 2002–03.

***Visual and Environmental Studies 162. Theories of Representation**

Catalog Number: 5098 Enrollment: Limited to 18.

Elizabeth Grosz

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Designed to introduce the major theories and issues arising in contemporary theories of representation, from the pioneering work of the founders of contemporary theories of representation—Ferdinand de Saussure (Europe) and Charles Sanders Pierce (US)—to recent developments in these two related traditions in the work of the post-structuralist theorists like Barthes, Foucault, Derrida, Irigaray and Kristeva, who consider questions of power and desire in visual as well as linguistic systems of representation.

***Visual and Environmental Studies 163. Feminism, Space and Visuality: Seminar Course**

Catalog Number: 5701 Enrollment: Limited to 12.

Elizabeth Grosz

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Examines questions of how space and vision have been associated with concepts of femininity. Asks if and how the differences between the sexes may help us to understand how we understand space, and how we attempt to represent it; and how changing our understanding of sexual difference may transform how space is understood, organized and represented. Beginning with writings by Luce Irigaray, we will explore how conceptions of space, light, and vision are elaborated in the same terms as the differences of the sexes.

[*Visual and Environmental Studies 166. North American Seacoasts and Landscapes, Discovery to Present: Seminar]

Catalog Number: 5873

John R. Stilgoe

Half course (fall term). Hours to be arranged.

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, painting, film, television, and advertising.

Note: Expected to be given in 2002–03. 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). Hours to be arranged.

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 advertising, video, computer-generated simulation, and private and public policy.

Note: Expected to be given in 2002–03. 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. Introduction to Architectural Theory

Catalog Number: 5115

George P. Baird (Design School) and Sarah Whiting (Design School)

Half course (fall term). M., W., 2–4. EXAM GROUP: 7, 8

This course presents the range of material factors (physical, cultural, social, and historical) that condition the production of architecture and their interaction with the ideologies (interpretive, theoretical, and critical) that elaborate these factors at particular times. The objective is to introduce the discipline of architecture—its distinct mode of thought and operation, recent history, and relation to other spheres of cultural production such as art, science, technology, and politics—by addressing issues related to the development of architectural theory.

Note: Jointly offered with the Graduate School of Design as 3202.

Visual and Environmental Studies 171. Theories and Practices of Contemporary Landscape Architecture 1950-2000

Catalog Number: 3978

John Beardsley (Design School)

Half course (spring term). Tu., W., 11:30–1. EXAM GROUP: 4, 5, 13, 14

Practice, according to Garrett Eckbo, is ‘knowing how to do something; theory is knowing why.’ This course will explore the ‘know why’ of landscape architecture since the Second World War, juxtaposing both the built works and the writings of landscape architects with texts that address methodology or the discipline’s larger theoretical cultural contexts. Within this broad framework, the course will examine a series of topics, including, the quest for a modern language for landscape architecture in the 1950s and 1960s.

Note: Jointly offered with the Graduate School of Design as 3102.

Visual and Environmental Studies 172. Urbanization in the Pacific Asian Region

Catalog Number: 3742

Peter G. Rowe (Design School)

Half course (spring term). Tu., 2:30–4:30. EXAM GROUP: 16, 17, 18

The purpose of this course is to provide an overall account of the urbanization in selected cities within the rapidly developing Pacific Asian region; to characterize relevant political traditions and forms of planning administration affecting urbanization there; and to depict prevalent patterns of urbanization, including illustration at appropriate levels, such as district, block, and



building type. The questions being addressed are whether there is a distinctive form to urbanization within the Pacific Asian region, or whether it is largely a matter of satisfying demands for rapid urban expansion within the ambit of internationally available building technology?

Note: Jointly offered with the Graduate School of Design as 4329.

Visual and Environmental Studies 173. Introduction to Urban Planning and Design

Catalog Number: 3328

François C. D. Vigier (Design School) and Ann Forsyth (Design School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This course provides an understanding of the dynamics that created contemporary urban and regional spatial patterns, of social theories pertinent to urbanized societies, and of the nature of public interventions that can remedy functional and social deficiencies. It also provides a common theoretical context for the complementary activities of urban designers and planners.

Note: Jointly offered with the Graduate School of Design as 5101.

Visual and Environmental Studies 174. Internet and Architecture

Catalog Number: 4881

Jeffrey Huang (Design School)

Half course (fall term). M., 4–6. EXAM GROUP: 9

Emerging information infrastructures are challenging how traditional architectural space is perceived, used and produced, creating for many, remarkable discontinuities. Yet the nature of these information-driven changes and their desirability for architecture and society is hotly contested. This project-oriented course purports to give a basic orientation to these fundamental changes and the implications of new internet-based concepts on the architecture of buildings.

Note: Offered jointly with the Graduate School of Design as 7301.

***Visual and Environmental Studies 175. Design Science: Studio/Seminar**

Catalog Number: 6285

Arthur L. Loeb

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores inductively the arrangement of three-dimensional space. The symmetries and transformations of polyhedra are investigated by constructing and deconstructing study models. Stability, mobility, tensegrity, and dome structures are evaluated, and students are encouraged to apply the principles learned to architectural and sculptural designs. Students experiment with pencils, paper, compasses, straight edges, scissors, exacto-knives, sticks, and joints, to discover concepts before they are named. Rote memorization of definitions is thereby discouraged and seemingly disparate concepts become unified into fundamental principles. Stress on method, experiments, and risk taking. VES 175 and 176 together constitute the fundamental grammar of two- and three-dimensional space.

Note: VES 175 and 176 may be taken independently, and in either order. Offered jointly with the Graduate School of Education as T-126.

***Visual and Environmental Studies 176. Visual Mathematics: Studio/Seminar**

Catalog Number: 5793

Marjorie Garber



Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Concentrates on the fundamental parameters of structure, primarily in two dimensions. Symmetry theory (e.g., designs by M.C. Escher), dynamic symmetry, the golden section, the Fibonacci series, and spirals are presented visually rather than verbally, but nevertheless rigorously. Students experiment with pencils, paper, compasses, straight edges, scissors, exacto-knives, sticks, joints, and computer graphics, to discover concepts before they are named. Rote memorization of definitions is thereby discouraged and seemingly disparate concepts become unified into fundamental principles. Stress on method, experiments, and risk taking. Students are expected to create a portfolio of their own visual exercises. VES 175 and 176 together constitute the fundamental grammar of two- and three-dimensional space.

Note: VES 175 and 176 may be taken independently and in either order. Offered jointly with the Graduate School of Education as T-127.

Independent Projects and Research

To apply for the following courses, inquire at the Office of the Head Tutor or Academic Coordinator.

***Visual and Environmental Studies 97r. Tutorial — Sophomore Year**

Catalog Number: 0450

H. Peik Larsen and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Letter-graded.

***Visual and Environmental Studies 98r. Tutorial — Junior Year**

Catalog Number: 1411

H. Peik Larsen and members of the Department.

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Letter-graded.

***Visual and Environmental Studies 99. Tutorial—Senior Year**

Catalog Number: 7531

H. Peik Larsen and members of the Department; Thursday Seminar (ordinarily, for VES studio track concentrators); Klaus Kertess

Full course. Hours to be arranged. Th., Seminar for VES studio concentrators: 7–9 p.m.

Note: Studio concentrators enrolled in VES 99 are required to attend a weekly seminar on Thursdays 7-9 p.m. in addition to working with the senior tutorial adviser. This seminar will explore the interplay between visual intelligence and verbal intelligence in the context of contemporary art. Reading and writing assignments will focus on how we construct vision and how we attempt to translate the seen into the written and spoken. The Seminar is not limited to VES studio concentrators and may be taken for credit by non-VES students by registering for “VES 190r. Projects and Research.” It is presumed to be a full-year course, but may be divided. Permission of Head Tutor and instructor required.

***Visual and Environmental Studies 190r. Projects and Research**

Catalog Number: 8371

H. Peik Larsen and members of the Department



Half course (fall term; repeated spring term). Hours to be arranged.

Note: Permission of Head Tutor and instructor required. Ordinarily, this course is limited to non-VES concentrators wishing to carry out an independent project with a VES faculty member. Additionally, it is possible for a non-VES concentrator to enroll in the seminar described in VES 99, however a non-VES concentrator must enroll for this seminar as VES 190r.

Related Courses in Art History for VES Concentrators

[Afro-American Studies 165y. African Women in Art and History]

[Afro-American Studies 167. Images of Blacks, Blacks Making Images](#)

[Afro-American Studies 168. Visual Culture of Latina and African-American Women](#)

[Afro-American Studies 169. Visualizing Africa](#)

[Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200–300 BCE]

[Classical Archaeology 136. Archaeology of the Aegean Bronze Age](#)

[History of Art and Architecture 10. The Western Tradition: Art Since the Renaissance](#)

[History of Art and Architecture 11. Landmarks of World Architecture](#)

[History of Art and Architecture 15d. Introduction to Italian Renaissance Painting and Sculpture ca. 1260–1600](#)

[History of Art and Architecture 17z. Introduction to the History of Photography](#)

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s](#)

[History of Art and Architecture 101. The Materials of Art]

[History of Art and Architecture 170. Artists and Architects: Collaborations, Overlaps, Confrontations: Seminar]

[History of Art and Architecture 171t. Degas: Beyond Impressionism]

[History of Art and Architecture 171z. American Landscapes, 1860-1900](#)

[History of Art and Architecture 172. Impressionism](#)

[History of Art and Architecture 173y. Difference from Within: Contemporary Women Artists]

[History of Art and Architecture 181y. Early Indian Sculpture]

[History of Art and Architecture 184x. Painting of India]

[History of Art and Architecture 189x. Constructions of Tradition in Modern Japan: Architecture and Art 1868-1968](#)

[History of Art and Architecture 196. Contemporary Art in Africa](#)

[Literature and Arts B-10. Art and Visual Culture: Introduction to the Historical Study of Art and Architecture]

[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 B-31. The Portrait]

[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court](#)

[Literature and Arts B-44. The Architecture of Capital and Court in Western Europe, 1600–1800](#)

[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 C-22. European Culture in the Middle Ages](#)

[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars](#)

Related Courses in Film History or Film Theory for VES Concentrators

[Afro-American Studies 187y. Black Cinema as Genre—From Blaxploitation to Quentin Tarantino](#)

[Anthropology 120. Anthropology, Cultural Studies, and Film](#)

[Chinese Literature 130. Screening Modern China: Chinese Film and Culture](#)

[Comparative Literature 168. Literature and Film]

[Foreign Cultures 76. Mass Culture in Nazi Germany: The Power of Images and Illusions]

[French 194. Francophone Film, Cinema, and Epic Fiction](#)

[German 154. Introduction to German Film Studies]

[German 244. Readings in Film Theory](#)

[History of Science 152. Filming Science]

[Literature 107. Introduction to the Study of Film](#)

[Literature and Arts B-20. Designing the American City: Civic Aspirations and Urban Form](#)

[Literature and Arts C-67. The German Colonial Imagination]

[Portuguese 38. Images of Brazil: Contemporary Brazilian Cinema](#)

[Slavic 132. Czech and Slovak Film]

[Spanish 44. Contemporary Spanish Film](#)

Additional Related Courses for VES Concentrators

[Comparative Literature 158. Turning the Century: Culture, Technology, and Representation, 1870-1910](#)

[Comparative Literature 165. The Holocaust and Problems of Representation](#)

[*Literature 124. Space and Place in Postmodern Culture]

[*Literature 130. Reconfiguring the City](#)

[Literature and Arts C-51. Revolution and Reaction: The Rise and Fall of the Russian Avant-Garde](#)

[Psychology 13. Cognitive Psychology](#)

[Science B-44. Vision and Brain](#)

[Slavic 131. Imagining Prague: The City in Literature, Art, and Film](#)

[*Sociology 150. The Social Underpinnings of Taste](#)

[Sociology 153. Media and the American Mind]



Women's Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Women's Studies

Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science and of Women's Studies (*Chair*)

Melissa Barry, Assistant Professor of Philosophy

Janet Beizer, Professor of Romance Languages and Literature

Giuliana Bruno, Professor of Visual and Environmental Studies (*on leave 2002-03*)

Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures (*on leave fall term*)

Eileen Cheng-yin Chow, Assistant Professor of Chinese Literary and Cultural Studies (*on leave 2002-2003*)

Bradley S. Epps, Professor of Romance Languages and Literatures

Drew Gilpin Faust, Professor of History

Lynn Mary Festa, Assistant Professor of English and American Literature and Language

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*on leave 2001-02*)

Ewa Lajer-Burcharth, Professor of History of Art and Architecture

Jane E. Mangan, Assistant Professor of History

Christie McDonald, Smith Professor of French Language and Literature

Afsaneh Najmabadi, Professor of History and of Women's Studies (*on leave 2001-02*)

Ann Wierda Rowland, Assistant Professor of English and American Literature and Language

Sharmila Sen, Assistant Professor of English and American Literature and Language (*on leave fall term*)

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music

Mary M. Steedly, Professor of Anthropology

Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History

Charis Thompson, Assistant Professor of the History of Science (*on leave 2002-03*)

Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History

Stephanie W. Jamison, Gardner Cowles Associate Professor of Sanskrit and Indian Studies

Kath Weston, Senior Lecturer on Women's Studies (*Director of Studies*)

Affiliated Members of the Committee on Women's Studies

Nalini Ambady, John and Ruth Hazel Associate Professor of the Social Sciences (*on leave 2001-02*)

Bridie Andrews, Associate Professor of the History of Science (*on leave 2001-02*)

Laura Benedetti, John L. Loeb Associate Professor of the Humanities (*on leave 2002-03*)

Daniel V. Botsman, Assistant Professor of History (*on leave 2001-02*)

Peter J. Burgard, Professor of German

Verena A. Conley, Visiting Professor of Literature

Ruth Feldstein, Associate Professor of History and of History and Literature (*on leave 2001-02*)



Melissa Franklin, Professor of Physics
Marjorie Garber, William R. Kenan, Jr. Professor of English
Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities
Claudia Goldin, Henry Lee Professor of Economics (*on leave 2001-02*)
Alice Jardine, Professor of Romance Languages and Literatures (*on leave 2001-02*)
Susan Pedersen, Professor of History
Elizabeth J. Perry, Henry Rosovsky Professor of Government
Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value
Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature
Kay B. Warren, Professor of Anthropology (*on leave 2002-2003*)

Other Faculty Offering Instruction in Women's Studies

Kathleen M. Coll, Lecturer on Women's Studies
Cameron Macdonald, Visiting Assistant Professor of Social Studies (*University of Connecticut*)
Naomi Pabst, Lecturer on Afro-American Studies and on Women's Studies
Diane L. Rosenfeld, Lecturer on Women's Studies
Mari Ruti, Lecturer on Women's Studies

Primarily for Undergraduates

***Women's Studies 91r. Supervised Reading and Research**

Catalog Number: 6225

Kath Weston and staff

Half course (fall term; repeated spring term). Hours to be arranged.

The study of selected topics in women's studies.

***Women's Studies 97. Tutorial — Sophomore Year**

Catalog Number: 7217

Kath Weston and staff

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Introduction to the intellectual history of feminism through classic texts from the early modern period to the late 20th century.

Note: Required of, and limited to, Women's Studies concentrators in the fall of their sophomore year.

***Women's Studies 98r. Tutorial — Junior Year**

Catalog Number: 8094

Kath Weston and staff

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken by concentrators for one term in the second semester of the junior year.

***Women's Studies 99a. Tutorial — Senior Year**

Catalog Number: 6763

Kath Weston and staff



Half course (fall term). Hours to be arranged.

Note: Both Women's Studies 99a and 99b are required of all concentrators in their senior year.

***Women's Studies 99b. Tutorial — Senior Year**

Catalog Number: 5847

Kath Weston and staff

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 18, 19

Note: Both Women's Studies 99a and 99b are required of all concentrators in their senior year.

For Undergraduates and Graduates

Women's Studies 101r (formerly Women's Studies 101). Money Changes Everything: Gender and Globalization

Catalog Number: 2174

Kath Weston

Half course (spring term). M., W., at 1 and a one hour section to be arranged. EXAM GROUP: 6

This introductory course examines the relationship between gender and globalization, including the transformation of women's work, women's activism on a global stage, gendered effects of border and passport controls, environmental and health impacts of globalization, women and money, gender and migration, global media, the gendering of commodities, and the feminization of impoverishment. Although the course focuses on the current period of globalization, attention will also be given to earlier periods of colonization, conquest, and trade.

[Women's Studies 103. Introduction to Gay and Lesbian Studies]

Catalog Number: 4778

Bradley S. Epps

Half course (spring term). Hours to be arranged.

This course provides an intensive overview of the major texts, concepts, and issues on and about homosexuality. Although the field typically privileges the late 20th century and the West, we will also examine works from various cultures and historical periods. Materials will be drawn from literature, visual arts, film, anthropology, psychoanalysis, religion, politics, philosophy, and contemporary theory, Queer and otherwise.

Note: Expected to be given in 2002–03.

Women's Studies 110a. Bodies and Boundaries: Conference Course

Catalog Number: 1730 Enrollment: Limited to 25.

Katharine Park

Half course (spring term). Tu., Th., 11–12:30. EXAM GROUP: 13, 14

The history of the body, with particular attention to gender, from late Middle Ages to present. Focusing on Europe and the United States, course examines ways in which the body has been used to construct boundaries: between male/female, human/non-human, between races, between the "normal" and the "abnormal," between the healthy and the sick. It considers techniques used to enforce those boundaries, from social discipline to surgery to eugenics, and ways in which those boundaries were continually challenged by people who refused to accept them or whose bodies refused to conform.



Women's Studies 110b. Current Problems in Feminist Theory: Conference Course

Catalog Number: 5590 Enrollment: Limited to 25.

Verena A. Conley

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A consideration of debates surrounding gender as a category of knowledge in the arts and humanities, particularly with regard to fiction, film, and TV, literary criticism, philosophy, psychoanalysis, and cultural theory. Provides historical frameworks for understanding what is at stake in current controversies surrounding essentialism, ethnocentrism, and “the straight mind.” Explores recent struggles over both the intellectual histories and future potentials of poststructuralism, postmodernism, and avant-garde practice.

Women's Studies 110c. Borders and Betrayals: Engendering Cultural Identities

Catalog Number: 7763

Kath Weston

Half course (fall term). M., W., at 1 and a one hour section to be arranged. EXAM GROUP: 6
Gender occurs in many different renditions as it combines with race, class, sexuality, ethnicity, religion, and various cultural identities. This course demonstrates how to “think” gender together with other identities by examining how such identities are constituted, the difference that culture makes, the imagined communities people create based on intersecting identities, and the effort required to maintain the borders involved. It also considers the conflicts and betrayals generated when people appear to “cross the line.”

Women's Studies 125. Gender and Health

Catalog Number: 4563

Mary Ruggie (Kennedy School)

Half course (fall term). M., W., at 2 and one-hour section to be arranged. EXAM GROUP: 7
Using theoretical perspectives on the body and the self and debates between feminism and science, this course explores the role of women, the medical profession and various social institutions in constructing discourse and knowledge about gender and health. Among the issues we will discuss are health behaviors, reproductive health, STDs, mental health, cancer, and aging, and differences among women and men of different class, race, and ethnic groups.

Women's Studies 131. Women, Violence, and the Law

Catalog Number: 1401 Enrollment: Limited to 30.

Diane L. Rosenfeld

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

What makes violence against women different from other types of violence? How do law and society interact in the perpetuation or eradication of violence against women? How do we, as a society, address the gender bias that underlies intimate-partner violence? This course will be devoted primarily to an examination of these questions in the context of contemporary American culture. Students will be introduced to feminist legal theory. The readings will include works of Catharine MacKinnon, Kimberle Crenshaw, bell hooks, Duncan Kennedy and Angela Browne.

[Women's Studies 153 (formerly Women's Studies 122). Psychoanalysis, Gender, and Sexuality]

Catalog Number: 7950 Enrollment: Limited to 15.



Mari Ruti

Half course (spring term). Hours to be arranged.

Ever since Freud's by now infamous question, "What does the woman want?", psychoanalysis has been preoccupied by the riddle of feminine desire. While Freud developed the clinical practice of psychoanalysis around the desirous discourse of the hysterical woman, Lacan went as far as to link feminine pleasure to the divine. Drawing on psychoanalysis, and on recent feminist and queer theory, this course will explore questions of love, desire, pleasure, masculinity/femininity, sexual orientation, and the divine. Authors considered include Freud, Lacan, Klein, Horney, Riviere, Kristeva, Irigaray, Butler, Halberstam, Nabokov, Jeanette Winterson, Kate Bornstein, and St. Theresa.

Note: Expected to be given in 2002–03.

[Women's Studies 154 (formerly Women's Studies 111). I Like Ike, But I Love Lucy: Women, Popular Culture, and the 1950s: Conference Course]

Catalog Number: 6855

Alice Jardine

Half course (fall term). Hours to be arranged.

A diagnosis and analysis of this formative decade for the U.S. babyboomer. Taught from a cultural studies perspective, the course will focus on gender politics in print media, film, television, and rock of the early cold war era. Parks, McCarthy, Monroe, Kerouac, and many others.

Note: Expected to be given in 2002–03.

Women's Studies 160. Black Feminisms: Seminar Course

Catalog Number: 7936 Enrollment: Limited to 15.

Naomi Pabst

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Course examines an array of black feminist writings, African American and diasporic, within socio-historical context. Course also addresses how representations of black feminism and black womanhood overlap and diverge in relation to one another. With an emphasis on black/female identity as mitigated by "difference" along lines of race, class, gender, ethnicity, color, nationality, generation, etc., we will negotiate the personal and political stakes in black feminism. Authors include: Lorde, hooks, Carby, Mirza, Collins, Smith, Morgan.

Women's Studies 161. On Love: Gender, Sexuality, Identity: Seminar Course

Catalog Number: 4147 Enrollment: Limited to 12.

Mari Ruti

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Is love a threat to the integrity of the self? Or a form of psychic, corporeal, and spiritual rebirth? This course examines literary, psychoanalytic, and mystical discourses on love, passion, and desire from a feminist/queer perspective. The emphasis throughout is on love as a potentially dangerous, yet also self-affirming and ecstatic, affective adventure. Authors considered include Freud, Lacan, Kristeva, Stendhal, Jane Austin, Alice Walker, Jeanette Winterson, bell hooks, St. Teresa, Hadewijch of Antwerp, and Rumi.



Women's Studies 162. Feminist Research in the Social Sciences: Seminar Course

Catalog Number: 4429 Enrollment: Limited to 12.

Cameron Macdonald (University of Connecticut)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Is there a feminist social science? If so, what does it look like? Do woman-centered epistemologies lead to different kinds of knowledge claims? Do feminist researchers uncover previously silenced perspectives? These questions have stimulated lively debates for decades. We will explore the philosophical and ethical foundations of feminist research, discussing research strategies with prominent feminist scholars. Readings by Dorothy Smith, Patricia Hill Collins, Trinh Minh-ha, Himmani Bannerji. Students will undertake individual research projects. *Note:* Strongly recommended for all Women's Studies students writing research-based theses.

Women's Studies 164. Women, Citizenship, and Social Movements: Conference Course

Catalog Number: 7278 Enrollment: Limited to 20.

Kathy Coll

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Examines how women in diverse contexts practice their politics. How does participation in social movements affect women's sense of political identity, rights, entitlements? Which groups of women, excluded from full legal citizenship, actively challenge dominant notions of who should have full political rights? Feminist, cross-cultural, and international perspectives on citizenship complement US data. Readings include Aretxaga, Dagnino, Das, Hall, Ong, Rosaldo, Sapiro, Williams, others.

Note: Optional fieldwork projects in local community organizations count towards course work.

Of Primary Interest

Courses in women's studies 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.

[Afro-American Studies 110. African-American Women's History: Seminar]

[Afro-American Studies 124. Constructions of Identity]

[Afro-American Studies 141 (formerly Anthropology 157). Afro-Atlantic Religions]

Anthropology 138. The Behavioral Biology of Women

Celtic 113. Gaelic Women's Poetry

***English 90hv. Sexing Victorian Fiction**

[*English 90un. Gender and Nation in 19th-Century British Literature]

English 147n. Women and the Novel to Jane Austen

French 70b. Introduction to French Literature II: Representations of Change (From the Romantics to the Present)

[French 136. Feminist Literary Criticisms]

[French 175. Julia Kristeva: Introductions and Conclusions]

[Historical Study A-33. Women, Feminism, and History]



[History 1642b. U.S. Women's and Gender History, Turn of the Century to the Present]
[History 1908. Rethinking Gender in African History: Conference Course]
[History of Art and Architecture 173y. Difference from Within: Contemporary Women Artists]

[*History of Science 147. Sex, Gender, and Modern Medicine: Conference Course](#)

[History of Science 154 (formerly History of Science 154v). Gender and Science]

[History of Science 182. Gender in East Asia: Lecture]

[Linguistics 81. Language and Gender]

[Literature 105. Introduction to the Theory of Sexuality](#)

[*Literature 125. Literature, Technology, and the Body](#)

[Literature 131. Twentieth-Century Fictions of Sexuality](#)

[*Modern Greek 100 \(formerly Modern Greek C\). Advanced Modern Greek: Introduction to Modern Greek Literature](#)

[Religion 1490. Feminist Theology as Systematics: A Critical Survey]

[Religion 1528. Globalization and Human Values: Envisioning World Community]

[Religion 1529. Personal Choice and Global Transformation](#)

[Romance Studies 196. Other Romances: Literature, Cinema, and Queerness](#)

[Slavic 288. Sex, Self, and Russia: Conference Course]

[*Sociology 207. Gender and Sexuality: Seminar]

[Spanish 268. A Rhetoric of Particularism]

[*Visual and Environmental Studies 152ar. Women and Film: Production and Criticism]

[*Visual and Environmental Studies 152br. Italian Cinema: History, Geography, and Identity]

Of Related Interest

[*Afro-American Studies 97a \(formerly Afro-American Studies 11\). Jazz, Race, and Politics Since WWII](#)

[Afro-American Studies 118. African-American History from the Slave Trade to 1900](#)

[Afro-American Studies 125. Philosophical Problems of Race and Racism](#)

[Afro-American Studies 187y. Black Cinema as Genre—From Blaxploitation to Quentin Tarantino](#)

[Afro-American Studies 191. The Civil Rights Movement: Seminar]

[Anthropology 110. Introduction to Social Anthropology](#)

[Celtic 106. Folklore of Ireland]

[Comparative Literature 168. Literature and Film]

[Economics 1812. The U.S. Labor Market](#)

[Economics 1815. Social Problems of the American Economy]

[*English 90wd. Dickens and George Eliot](#)

[English 141. The 18th-Century Novel](#)

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam](#)

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

[French 27. French Oral Survival: Le Français parlé](#)

[*French 97. Tutorial—Sophomore Year](#)

[French 175. Julia Kristeva: Introductions and Conclusions]

[General Education 105. The Literature of Social Reflection](#)



[German 148. Freud]

[Government 1341. Civil Liberties]

[Historical Study A-14. Japan: Tradition and Transformation](#)

[Historical Study B-35. The French Revolution: Causes, Processes, and Consequences]

[Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America](#)

[History 71a. America: Colonial Times to the Civil War](#)

[History 71b. The Rise of Modern America, 1865 to Present](#)

[History 1602. The Frontier in Early America]

[History 1624 (formerly History 1620). Jacksonian America, 1815–1845]

[*History 1643. The Confederacy: Conference Course]

[History 1649. The American West: 1780-1930](#)

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s](#)

[History of Art and Architecture 271x. Rethinking the Origins of Modernity: The “New” 18th Century](#)

[History of Science 130. Modern Biology]

[History of Science 175. Madness and Medicine: Themes in the History of Psychiatry](#)

[History of Science 176. Evolution and the Mind: Conference Course](#)

[History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine]

[Literature and Arts A-16. Lives Ruined by Literature: The Theme of Reading in the Novel]

[Literature and Arts A-40. Shakespeare, The Early Plays](#)

[Literature and Arts A-41. Shakespeare, The Later Plays]

[Literature and Arts C-14. The Concept of the Hero in Greek Civilization]

[Literature and Arts C-43. The Medieval Court](#)

[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars](#)

[Medieval Latin 117. Fairy Tales and Their Tellers in the Middle Ages]

[Modern Hebrew 130r. Advanced Modern Hebrew: Contemporary Israeli Culture](#)

[Moral Reasoning 22. Justice]

[Moral Reasoning 50. The Public and the Private in Politics, Morality, and Law](#)

[Portuguese 38. Images of Brazil: Contemporary Brazilian Cinema](#)

[Psychology 1701 \(formerly Psychology 17\). Personality Psychology](#)

[Religion 1001. Ethnographic Imaginations]

[Religion 1489. Contemporary Interpretations of Jesus](#)

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