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Core-Curriculum

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Core Program

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HISTORY AND DEAN OF THE FACULTY OF ARTS AND SCIENCES
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MORTON B. KNAFEL PROFESSOR OF MUSIC**

ROBERT P. KIRSHNER, CLOWES PROFESSOR OF SCIENCE

RICHARD TUCK, FRANK G. THOMSON PROFESSOR OF GOVERNMENT

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 US and the anglophone cultures of the British Isles, Canada, Australia, and New Zealand. These courses also introduce methods of studying a culture, and the issues involved in approaching a culture not one's own. Whether the primary emphasis is on the analysis of key texts and works of art, on historical change, or on other fundamental aspects of individual or social life, Foreign Cultures courses seek to identify the distinctive patterns of thought and action that account for the particular configuration or ethos of another culture.

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

Foreign Cultures

[Foreign Cultures 12. Sources of Indian Civilization]

Catalog Number: 8312

Diana L. Eck

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

An 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 2005–06.

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

Catalog Number: 8550

Tom Conley

Half course (spring term). M., W., F., at 10, and a weekly section to be arranged. 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: Expected to be given in 2004–05. 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 French institutions, values, and traditions of the 17th and 18th centuries as objects of humorous attacks by such authors as Beaumarchais, La Fontaine, Molière, and Voltaire. Comprehensive syntheses of early-modern cultural debates through multi-disciplinary approach. Extensive use of visual material (Cassell, Leconte, Rossellini, Scola, Wajda). Emphasis on all four communication skills so that at the end of the course, students should be able to understand lectures in French, converse on a large variety of topics with native speakers, read material of moderate difficulty, and write correct French.

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

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

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

Catalog Number: 0591

Marlies Mueller

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

A continuation of Foreign Cultures 22a at a higher level. Explores institutions, values, and traditions in humorous works of 19th- and 20th-century France. Emphasis on the individual's search for wisdom and happiness in a changing social context (Balzac, Beineix, Godard, Renoir, Sartre, and Stendhal).

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

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

Foreign Cultures 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 texts from that time and consideration of their literary reception in the 20th century.

Note: Readings and discussions in German; exams in English; German optional for term paper.

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). M., W., at 11; F., at 12; F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

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 2004–05. Readings and discussions 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 L. Carrasco

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

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 35. Barcelona y la modernidad

Catalog Number: 7634

Bradley S. Epps

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

Examines the construction, expansion, and transformation of Barcelona as cultural capital of Catalonia and as site of political and aesthetic experimentation from the mid-19th century to the present. Drawing on literature, criticism, visual arts, architecture, urban planning, film, and music, we explore national identity, nationalism, and language; bilingualism and multiculturalism; and the relations between art and economics, political conformity and resistance.

Note: Conducted in Spanish; papers in Spanish or English.

Foreign Cultures 37. Madrid, fin-de-siècle

Catalog Number: 4425

Luis Fernández-Cifuentes

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

Madrid's first turn of the century as a modern city was marked by the intellectual and artistic activity of the so-called Generation of 1898 (the year Spain lost its last colonies); the second turn, by the aftermath of Franco's dictatorship and the country's incorporation into the European Union. This course will explore and compare the cultural identity of the city at both junctures, through architecture and painting, narrative and film, theatre and comic books, politics and journalism.

Note: Conducted in Spanish; papers and exams may be written in English.

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

Catalog Number: 6357



Orlando Patterson

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13 Caribbean societies are largely the economic and political creations of Western imperial powers. Though in the West, they are only partly of it, and their popular cultures are highly original blends of African and European forms. The course examines the area as a system emerging from a situation of great social and cultural diversity to the present tendency toward social and cultural convergence. Patterns of underdevelopment are explored through case studies of Latin and Afro-Caribbean states, as are cultural adaptations through studies of Afro-Caribbean religions, fiction, and music.

Note: Expected to be omitted in 2004–05.

[Foreign Cultures 48. The Cultural Revolution]

Catalog Number: 6474

Roderick MacFarquhar

Half course (spring term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3 From 1966 to 1976, the People's Republic of China was wracked by civil strife, student violence, political intrigue, and military plots. What had once seemed the best disciplined and most stable of dictatorial states seemed about to dissolve into disunity, even anarchy, and as a result of the actions of the man who had done more than anyone else to create it: Chairman Mao Zedong. The Cultural Revolution is traced to pinpoint Mao's aims and to explore the deeper political, social, economic, and cultural issues that his actions raised for the Chinese, and for the rest of us as well.

Note: Expected to be given in 2005–06. 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 (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

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 2004–05.

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

Catalog Number: 1976

Hue-Tam Ho Tai

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

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 2004–05.

Foreign Cultures 63. China's Two Social Revolutions

Catalog Number: 1884

Martin K. Whyte

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

A general overview of the patterns of social life in China and how these have changed since the revolution in 1949. The socialist transformations led by Mao Zedong after 1949 and the market and other reforms led by Deng Xiaoping after Mao's death receive equal emphasis. Topics covered include political institutions, work organizations, village life, cities, religion, family life, population control, gender relations, inequality, and schooling.

Note: Expected to be omitted in 2004–05.

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 BC), we will follow the increasingly complex role literature came to play, both as a critic of authority and as establishing a domain of private life.

Note: Expected to be omitted in 2004–05. 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 11, and a weekly section to be arranged. EXAM GROUP: 4

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 US.

Note: Expected to be omitted in 2004–05.

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

Catalog Number: 5581

Svetlana Boym

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

Explores 20th-century Russian culture through literature, art, and film. Topics include art and



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

Note: Expected to be given in 2004–05.

Foreign Cultures 74. Cultures of Southern Europe

Catalog Number: 0603

Michael Herzfeld

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

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 2004–05.

[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., at 9; screenings, M., 4–6, and a weekly section to be arranged. EXAM GROUP: 2

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

Note: Expected to be given in 2005–06. 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 2005–06.

Foreign Cultures 80. Korean Cultural Identities

Catalog Number: 8798

David McCann

Half course (fall term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3
Surveys articulations of Korean cultural identity in literature, art, and the writing of history from the Unified Silla Kingdom in the 7th century, through the succeeding Koryô and Chosôn dynasties, and into the first half of the 20th century. Then examines event and aftermath of the Japanese colonial occupation, 1910–1945; liberation, division, and the Korean War, 1945–1953; and the separating cultural spheres in north and south. Considers the re-production of identity issues in the context and course of the first century of Korean-American history, 1903-2003.

Note: Expected to be omitted in 2004–05.

[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 2004–05. No knowledge of Arabic required.

Foreign Cultures 84. Tokyo

Catalog Number: 9691

Theodore C. Bestor

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

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

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-16. The Making of Modern South Asia](#)

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

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

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

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

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

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

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

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

Departmental 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 central historical



event or transformation in the deeper past. They aim to develop an understanding of the complexity of human affairs, of the way in which a variety of forces—economic, cultural, religious, political—have interacted with individual aspirations and with the deliberate efforts of individuals to control and shape events in specific contexts and historical moments. They are sufficiently delimited in time to allow concentrated study of primary source materials.

Historical Study A

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

Catalog Number: 5129

Andrew Moravcsik and Alastair Iain Johnston

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

EXAM GROUP: 12, 13

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

Historical Study A-13. China: Traditions and Transformations

Catalog Number: 5243

Peter K. Bol and Mark Christopher Elliott

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

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

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

Historical Study A-14. Japan: Tradition and Transformation

Catalog Number: 5373

Mikael Adolphson and Andrew Gordon

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

From the emergence of a court-centered state 1500 years ago to a warrior-dominated society centuries later, Japan's premodern past fascinates people across the world. The people, institutions, and ideas behind these traditions will be the focus of the first half of the course. We then turn to Japan's modern era, which presents one of the more striking transformations in world history. We examine the invention of new traditions as one crucial aspect of the



tumultuous changes from the mid-1880s through the present and explore how people in Japan have dealt with the dilemmas of modernity that challenge us all.

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

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

Catalog Number: 8301

Devesh Kapur

Half course (spring term). Tu., Th., at 10; M., at 4; Tu., at 11; M., at 3; Tu., at 4; Tu., at 5; F., at 5, and a weekly section to be arranged. EXAM GROUP: 12

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

Note: Expected to be omitted in 2004–05. 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 10, and a weekly section to be arranged. EXAM GROUP: 3

This course provides the historical depth and the comparative context in which to understand contemporary South Asia through an historical inquiry into the making and multiple meanings of modernity. It 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.

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

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

Catalog Number: 5568

Caroline M. Elkins

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

Understanding Africa as it exists today requires an understanding of the broader historical trends that have dominated the continent's past. This course will provide an historical context for understanding issues and problems as they exist in contemporary Africa. It will offer an integrated interpretation of sub-Saharan African history from the middle of the 19th century and the dawn of formal colonial rule through the period of independence until the present time.



Particular emphasis will be given to the continent's major historical themes during this period. Selected case studies will be offered from throughout the continent to provide illustrative examples of the historical trends.

Note: Expected to be given in 2004–05.

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

Catalog Number: 6861

John H. Coatsworth

Half course (fall term). M., W., (F.), 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 US, to the extent that doing so contributes to understanding these three contemporary problems.

Note: Expected to be given in 2004–05. 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 11, and a weekly section to be arranged. EXAM GROUP: 4

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

Note: Expected to be given in 2005–06.

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

Catalog Number: 1552

Allan M. Brandt

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

Surveys major developments in the history of American medicine since 1500. Emphasis on setting the practice of medicine and the experience of health and disease into broad social, cultural, and political contexts. Topics include the social and cultural impact of epidemic disease; the nature of demographic and epidemiological change; the development of medical therapeutics and technologies; the growth of health care institutions; the rise of the medical profession; and debates about the allocation of health care resources. Evaluates the role of medicine in addressing social needs as well as the social and economic determinants of patterns of health and disease.

Note: Expected to be given in 2004–05.



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

Democracy, for most of Western history reviled as mob rule, now commands almost universal approbation. To understand that transformation, we will examine the history of democracy in theory and practice since the 16th century. Readings will include classic European and American texts that explain, defend, and criticize democracy as a political system and as an ethical ideal. Lectures explore the various contexts—biographical, national, and cultural—surrounding debates over the desirability of democracy and the shifting meanings of freedom and equality in relation to changing attitudes and practices concerning authority, social hierarchy, gender, race, and religion.

Note: Expected to be omitted in 2004–05.

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 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 2004–05.

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

Catalog Number: 9323

Jay M. Harris

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

GROUP: 4

This course seeks to understand the transformation of the Jews from a relatively homogeneous group that was readily distinguished from its surrounding cultures, to their current state in which they are neither homogeneous nor readily distinguished from other identifiable groups. The focus will be on the political, social, and economic shifts that led to major changes in Jewish political and cultural aspirations and achievements. Specifically, the course will examine processes of change in France, Germany, Russia, and the US.

Note: Expected to be omitted in 2004–05.



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.

[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.

Note: Expected to be given in 2004–05. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

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

Catalog Number: 0352

Afsaneh Najmabadi

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

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

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

Catalog Number: 1845

E. Roger Owen

Half course (fall term). T., 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. Raises questions concerning economic and political liberalization, the rise in religious self-consciousness, violence, and regional reactions to globalization.

Historical Study A-71. Constitutionalism

Catalog Number: 5202

Cindy Skach

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

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

Note: Expected to be omitted in 2004–05.

[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.

Note: Expected to be given in 2004–05.

[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 given in 2004–05. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

Historical Study A-75. The Two Koreas

Catalog Number: 0786

Carter J. Eckert

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

This course seeks to provide a broad historical context in which to understand the contemporary political division on the Korean peninsula. It examines key historical forces that have created and shaped the two Koreas before, during, and after the actual partition of the country in 1945.

Topics include nascent nation-building efforts between 1876 and 1910, the impact of Japanese colonialism and the Cold War, and North/South development and interaction after 1948. The course interweaves political, socioeconomic, and cultural themes within an historical framework centered on nation-building while also highlighting a number of major historiographical issues in modern Korean history.

Note: Expected to be omitted in 2004–05.

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.

[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 US. 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 2004–05.



[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 is the dominant historical experience shaping current thinking about international affairs. This course surveys the Cold War's origins and development, the crises at its climax, the course of events from the subsequent détente to the collapse of the Soviet Union, and the influence of Cold War memories in the present day.

Note: Expected to be given in 2004–05.

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.

[History of Science 175. Madness and Medicine: Themes in the History of Psychiatry]

Historical Study B

[Historical Study B-01. The Intellectual Traditions of the Ancient Near East]

Catalog Number: 3715

Paul-Alain Beaulieu

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

This course examines the intellectual traditions of the ancient Near East in their genesis and historical transformation until they were superseded by new modes of intellectual inquiry created by the Greeks. The focus is on Egypt and Mesopotamia between 1400 and 500 BC, which provide abundant evidence for the early development of thought and science. The course will highlight how the first sciences emerged from traditions of intellectual investigation that were largely oral, non-analytical, corporatist, and secretive, and will also study the evolutionary models created by modern historians to explain those characteristics.

Note: Expected to be given in 2004–05.

[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 2004–05.

[Historical Study B-06. The Roman Games]

Catalog Number: 2603

Kathleen M. Coleman

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

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

Note: Expected to be given in 2004–05.

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

Note: Expected to be given in 2004–05.

[Historical Study B-11. The Crusades](#)

Catalog Number: 0434

Angeliki E. Laiou

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

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

Note: Expected to be omitted in 2004–05.

[Historical Study B-16. Conquest in the Americas]

Catalog Number: 5680

Jane E. Mangan



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

This course studies European conquest endeavors in the Americas from the homeland of the Iroquois to the Inca. We focus on the 16th and 17th centuries, when European powers played out their major conquest or settlement expeditions. By studying events prior to and following initial encounters between Amerindians and Europeans, the course studies the *process* of colonization of the Americas. We address numerous events implied in conquest, including claiming of territory, the denunciation of native religions, cultural and economic exchange, and the campaigns of resistance by subject peoples.

Note: Expected to be given in 2004–05.

Historical Study B-17. Power and Society in Medieval Europe: Crisis in the Twelfth 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. AD 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.

[Historical Study B-18. The Protestant Reformation]

Catalog Number: 0623

Steven Ozment

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

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

Note: Expected to be given in 2004–05.

Historical Study B-19. The Renaissance in Florence

Catalog Number: 4631

James Hankins

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



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

Note: Expected to be omitted in 2004–05. For students under the Core requirement, counts as either Historical Study B or Literature and Arts C, but not both.

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

Catalog Number: 2380

Katharine Park

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

Note: Expected to be given in 2004–05.

[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 2005–06.

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

Catalog Number: 2264

Laurel Thatcher Ulrich

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

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

Note: Expected to be given in 2004–05.



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

Catalog Number: 1713

Laurel Thatcher Ulrich

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

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

Note: Expected to be given in 2005–06.

[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 US. Topics include the origins of the war, Abraham Lincoln and Jefferson Davis as war leaders, Union war aims and emancipation, dissent and opposition to the war in the Union and the Confederacy, the Confederate transformation of the South, the northern and southern home fronts, race, the spiritual and economic costs of the war, and the imprint of the war on American politics, society, and values. This is not a course in military history.

Note: Expected to be given in 2004–05.

[Historical Study B-50. Sex and Class in China’s Transition to Modernity](#)

Catalog Number: 9831

Bridie Andrews

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

Perhaps most emblematic of China’s metamorphosis from an imperial neo-Confucian society to a modern one is the apparently sudden transformation of the lives of China’s most oppressed?women and the poor. From footbound isolation in the inner quarters, women suddenly appeared on the public scene, unbound, working in factories, attending schools, and marching in political demonstrations. This course will examine these changes, but will challenge the idea of a simple movement from oppression to liberation or tradition to modernity, examining the period from the 18th century through the May 4th Movement of 1919.

Note: Expected to be omitted in 2004–05.

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

Catalog Number: 3834

Emmanuel K. Akyeampong

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



This course begins with the question of terminological precision and the definition of slavery and other forms of servile labor—especially in Africa. The course then examines the institution of slavery in Africa and the Americas within this wider historical context, analyzing the political economies and ideologies that underpin slavery and the crucial role of slave trade in reproducing slave communities that were barely able to reproduce themselves naturally. The course explores the impact of slavery on political, economic, social, and cultural life in Africa and the Americas and ends with a discussion of the legacy of slavery and the global nature of the African diaspora. *Note:* Expected to be given in 2004–05.

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

Catalog Number: 4388

Charles S. Maier

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

Viewed together, the two world wars shattered Germany's bid for European domination, revolutionized Russia and extended her influence over Eastern Europe for over 40 years, helped dissolve the colonial empires and create the modern welfare state, and made the US the world's preeminent power. Historical Study B-53 and B-54 examine the 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 2004–05.

[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 2004–05.

[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 20th 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 19th century up to the Bolshevik consolidation of power in the early 1920s.

Note: Expected to be given in 2004–05.

Historical Study B-57. The Second British Empire

Catalog Number: 6756

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 2004–05.

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

Catalog Number: 6840

Morton J. Horwitz (Law School)

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

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

Note: Expected to be given in 2004–05.

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

Catalog Number: 6974

Jorge I. Domínguez

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

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

Note: Expected to be omitted in 2004–05. 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). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4
Examines the causes and consequences of one of the most important events in modern world history—Japan’s transformation from feudal state to imperialist power. The class begins with a consideration of *samurai* rule during the Tokugawa period (1600?1868) and the social changes that resulted from over two centuries without war. We then examine the impact of Japan’s forcible incorporation into a “modern world system” in the mid-19th century, the radical reforms implemented in the wake of the Meiji Restoration of 1868, and the beginning of Japanese imperialism in Asia. Discussion sections focus on a broad array of primary documents in translation.

Note: Expected to be omitted in 2004–05.

[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 US 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 2004–05.

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, Rilke, Wharton, Sartre, Nabokov, Brookner, Barnes, and Ackroyd.

Note: Expected to be given in 2005–06.



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 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.

Note: Expected to be omitted in 2004–05.

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

Catalog Number: 1177

Robert J. Kiely

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

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 2004–05.

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

Catalog Number: 5808

Helen Vendler

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

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

Note: Expected to be given in 2004–05.

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

Catalog Number: 6090

Lino Pertile

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

Studies Dante's *Divine Comedy* as an enduring work of poetry, a major text of the European literary tradition, and the most comprehensive synthesis of medieval culture. Largely based on textual analysis, the course looks at how literature works in relation to, on the one hand, the language and rhetorical tradition in which it is expressed and, on the other, the culture which it



expresses and interprets. Particular attention is paid to the poem's central philosophical concerns, from the role of the individual in history and society to the relationship between progress and happiness, and between politics and morality.

Note: Expected to be given in 2004–05.

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

Catalog Number: 0172

Bennett Simon (Medical School)

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

Introduces the student to the use of psychoanalytic perspectives in enhancing the understanding and appreciation of tragic drama. Focuses on tragedy as a study of the family, emphasizing the problem of how the family at war with itself can procreate and continue. Also discusses the form of tragic drama, particularly with regard to dialogue and storytelling within the plays. Readings include ancient, Shakespearean, and modern tragedies, as well as secondary sources that assist in understanding psychoanalytic concepts. Films and live performances supplement the readings.

Note: Expected to be given in 2005–06.

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

Catalog Number: 0176

Marjorie Garber

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

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 2004–05.

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

Catalog Number: 1624

Marjorie Garber

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

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 2004–05.

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

Catalog Number: 0189

Justin Weir

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

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



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

Note: Expected to be given in 2004–05.

Literature and Arts A-48. Modern Jewish Literature

Catalog Number: 1250

Ruth R. Wisse

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14
Studies works in different languages and genres that variously interpret the experience of Jews in the 20th century. Explores such issues as what information literature can provide, the relation of language and historical context to artistic strategy, and personal and national perspectives in narrative. Authors include Sholem Aleichem, Franz Kafka, Isaac Babel, Isaac Bashevis Singer, Shmuel Yosef Agnon, Primo Levi, Saul Bellow, and Cynthia Ozick.

Note: Expected to be omitted in 2004–05.

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

Catalog Number: 8681

Peter Machinist and Bennett Simon (Medical School)

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

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

Literature and Arts A-57. Bilingual Arts

Catalog Number: 1599

Doris Sommer

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

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

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

Catalog Number: 0287

Werner Sollors

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



12

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

Note: Expected to be omitted in 2004–05.

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

Catalog Number: 8286

Wilt Lukas Idema

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

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

Note: Expected to be given in 2004–05.

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 2004–05.

[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 2004–05.

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

Catalog Number: 7991

Peter Machinist

Half course (fall 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 given in 2005–06.

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

Catalog Number: 7800

Leo Damrosch

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

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

Literature and Arts A-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 AD 800?1100, concentrating on the medieval Icelandic sagas. The course focuses on how these texts present their heroes as warriors, kings, poets, outlaws, and adventurers. We consider several specific heroic traditions over time and review how the viking image is received and shaped in later periods (e.g., 19th-century Danish poetry, Victorian art, contemporary scholarship and pseudo-scholarship). 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 2004–05.

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](#)

[\[English 150. English Romantic Poets\]](#)

[English 151. The 19th-Century Novel](#)

Literature and Arts B

Literature and Arts B-16. The Meanings of Abstraction in 20th-Century Art

Catalog Number: 0257

Yve-Alain Bois

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

This course will explore the diversity of abstract art within modernist culture, covering a period extending from 1910 to 1980. The main question it will address is how abstract art signifies. Exploring this issue, it will establish that no abstract form holds a fixed meaning but that its significations change according to its various historical contexts. The works of artists as different as Piet Mondrian, Casimir Malevich, Alexander Rodchenko, Jackson Pollock, Barnett Newman, Ellsworth Kelly, Lucio Fontana, Cy Twombly, Robert Morris, and Richard Serra, as well as those of many others, will be examined in detail.

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

Catalog Number: 3243

Alex Krieger (Design School)

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

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

Note: Expected to be given in 2004–05.

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

Catalog Number: 2267

David G. Mitten

Half course (fall term). M., W., (F.), at 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 BCE Greece to 20th-century America. Various art forms (including sculpture, coins, and paintings) illuminate Alexander's personality and career and the development of his legend.



Course explores how images reveal the complex relationship between a strong individual personality and artistic conventions. Special attention is paid to the importance of political imagery and how the images of Alexander reflect changing ideas of rulership. Where, if anywhere, is the “truth” in these images? Original objects in the Sackler collection and Boston Museum of Fine Arts are emphasized.

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

Catalog Number: 5649

Robin E. Kelsey

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

Historically, photographs have been exceptionally persuasive records of places, people, and events. This course will consider photographs from a broad range of cultural sites and activities, including battlefields, expeditions, laboratories, slums, farms, factories, political rallies, and crime scenes, to investigate the ways in which photographers, viewers, and institutions have negotiated the interplay of photography’s rhetorical and evidentiary dimensions. Featured photographs and practices will be drawn from various countries and historical moments. Particular attention will be given to fostering skills in visual analysis and historical interpretation. *Note:* Expected to be given in 2004–05.

[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 given in 2004–05.

Literature and Arts B-28. The Arts of Pre-Columbian America: Media and Themes

Catalog Number: 7397

Thomas B. F. Cummins

Half course (spring term). M., W., at 1, and a weekly section to be arranged. EXAM GROUP: 6
This course will study Pre-Columbian visual arts with an aim to understanding their forms, materials, and themes. Covering a time period from 1000 BC to the beginning of the 16th century, we will investigate the art and architecture of the Aztec, Inca, and many earlier cultures in Peru, Mexico, Ecuador, and Columbia. The meaning and appreciation of Pre-Columbian art will be studied both in terms of how things were made and the different forms of expression that sculpture, textiles, and painting took, ranging from life-like portraiture to geometric abstraction and everything in between.



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

Catalog Number: 1678

Gülru Necipoglu-Kafadar

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

“Golden Age” of Ottoman-Islamic visual culture in the 16th century, considered within its ceremonial and historical contexts, focusing on architecture, miniature painting, and decorative arts. Stresses the transformation of Byzantine Constantinople into Ottoman Istanbul, formation of an imperial architectural style, and artistic contacts with contemporary European and Islamic courts. Considers art and architecture of Safavid Iran and Mughal India as a comparative backdrop. Discusses the role of centralized court ateliers in propagating canons of taste, the emphasis on decorative arts in a culture that rejected monumental sculpture and painting, and representations of the East by European artists in the Orientalist mode.

Note: Expected to be omitted in 2004–05.

[Literature and Arts B-43. The Gothic Cathedral]

Catalog Number: 1561

Jeffrey F. Hamburger

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

Coined as a term of contempt, “Gothic” now defines among the most exalted works of art and architecture in the Western tradition. To this day, Gothic cathedrals dominate the urban landscape in much of Europe. In their own time, they represented a revolution in design and in religious and social practice. The course aims to consider the cathedral, principally in France, but also England and Germany, in all its dimensions: civic, religious, ideological, and historiographical, with the emphasis on the architecture, as well as sculpture, stained glass, metalwork, and manuscript illumination.

Note: Expected to be given in 2004–05.

[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.

Note: Expected to be given in 2004–05.

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

Catalog Number: 6029



David J. Roxburgh

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4
Genghis Khan's legacy entailed the destruction of social and cultural order. Paradoxically, his empire forged a dynamic relationship between nomadic and sedentary societies; his successors fostered a climate of intense activity in art and architecture, producing complex fusions of artistic traditions between the Middle East and China. Key works of art and architecture are studied as a process of cultural assimilation, as constructions of an evolving political structure and social order in the aftermath of the Mongol conquests (ca.1256?1506). Themes include patronage, production, art as political and ideological tool, tensions between nomadic and sedentary sources of prestige and legitimation.

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

Catalog Number: 9186

Eugene Wang

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

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

Note: Expected to be given in 2004–05.

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 2004–05.

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

Catalog Number: 1520

Christoph Wolff

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

A study of the music of J.S. Bach in various contexts, focusing on selected vocal and instrumental compositions (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 century.

Note: Expected to be omitted in 2004–05.

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

Catalog Number: 2093

Kay Kaufman Shelemay

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

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

Note: Expected to be given in 2004–05.

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

Catalog Number: 9532

Ingrid Monson

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

An examination of jazz improvisation as a musical and social process. Key themes are learning to listen from the "bottom of the band up" and understanding why jazz is a music that is perceived to "say something" about social issues. The social issues addressed are racial segregation, interracial encounter through music, the impact of the struggle for civil rights on the music, and the politics of aesthetic modernism in jazz. Musical examples drawn from throughout the history of the music will illustrate this ongoing dialogue between the musical and the social.

Departmental course that satisfies the Literature and Arts B requirement



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

Music 2. Foundations of Tonal Music I

Literature and Arts C

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

Catalog Number: 3915

Gregory Nagy

Half course (spring term). M., W., at 1, and a weekly section to be arranged. EXAM GROUP: 6
The true “hero” of this course is the logos or “word” of logical reasoning, as activated by Socratic dialogue. The logos of dialogue requires careful thinking, realized in close reading and reflective writing. The last “word” in the course will come from Plato’s memories of Socrates’ last days. These memories depend on a thorough understanding of heroic concepts in all their historical varieties throughout Greek civilization. This course leads to such an understanding through dialogues, guiding the attentive reader through many ancient Greek Classics, including works by Homer, Hesiod, Sappho, Alcman, Pindar, Theognis, Aeschylus, Sophocles, Euripides, Herodotus, and Plato.

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

Catalog Number: 7384

Diana L. Eck

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

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

Note: Expected to be given in 2004–05. 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 2004–05.



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

Catalog Number: 2020

Jan Ziolkowski

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

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

Literature and Arts C-25. The Medieval Stage

Catalog Number: 5114

Eckehard Simon

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

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.

Note: Expected to be omitted in 2004–05.

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

Note: Expected to be given in 2004–05. 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 2004–05. No knowledge of Russian required.



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

Catalog Number: 1255

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 2004–05.

[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 given in 2004–05. 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

Ekkehard 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.

Note: Expected to be omitted in 2004–05.

[Literature and Arts C-50. Russian Imperial Masterworks and Their Post-Histories: Or, What Makes a Classic?]

Catalog Number: 2786

Julie A. Buckler

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

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

Note: Expected to be given in 2004–05.

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 2004–05. 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 given in 2004–05.

Literature and Arts C-56. Putting Modernism Together

Catalog Number: 8437

Daniel Albright

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

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

Literature and Arts C-61. The Rome of Augustus

Catalog Number: 1101

R. J. Tarrant

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

Roman culture and society in a period of radical transformation, the lifetime of the first emperor, Augustus (63 BCE–14 CE). Focuses on the interplay between a new set of political realities and developments in literature, the visual arts, and the organization of private and social life.

Readings (all in translation) from Catullus, Cicero, Virgil, Horace, Livy, Propertius, Ovid, and Tacitus, with special attention to the two great masterworks of the period, Virgil's *Aeneid* and Ovid's *Metamorphoses*. Most lectures illustrated with slides.

Note: Expected to be omitted in 2004–05. For students under the Core requirement, counts as either Literature and Arts C or Historical Study B, but not both.

[Literature and Arts C-65. Repression and Expression: Literature and Art in *Fin-de-siècle* Germany and Austria]

Catalog Number: 4312

Peter J. Burgard

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

Examines German and Austrian literature and art of the period 1880–1920 in terms of gender, sexuality, and language. Begins with readings of Nietzsche and Freud that establish the thematic parameters of investigation and that enable an understanding of the extent to which this period in cultural history is grounded in their ideas. Discussions of individual texts and paintings focus on how problems of gender, sexuality, and language both intersect and reflect one another in the literature and art of the age. Readings include Nietzsche, Freud, Ibsen, Schnitzler, Hofmannsthal, Mann, Musil, Kafka. Artists include Klimt, Schiele, Kokoschka, Kirchner, Marc, Kandinsky.

Note: Expected to be given in 2004–05. No knowledge of German required.


[Literature and Arts C-69. Pompeii]

Catalog Number: 8499

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

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

Note: Expected to be given in 2005–06.

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

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

[Historical Study B-19. The Renaissance in Florence](#)
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 students' awareness of how people have understood the nature of the virtuous life. The courses are intended to show that it is possible to reflect reasonably about such matters as justice, obligation, citizenship, loyalty, courage, and personal responsibility.

Moral Reasoning
[Moral Reasoning 22. Justice](#)

Catalog Number: 3753

Michael J. Sandel

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

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



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

Note: Expected to be omitted in 2004–05.

[Moral Reasoning 28. Ethics and International Relations]

Catalog Number: 0642

Stanley Hoffmann

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

Is ethical action in international affairs possible—or does the absence of global moral consensus and a central world government doom states and citizens to the amoral pursuit of clashing national interests? The course considers contrasting arguments by philosophers and social thinkers (e.g., Thucydides, Machiavelli, Kant, and Weber) as well as specific issues in contemporary international politics: intervention and the use of force, the morality of nuclear deterrence, human rights, distributive justice, and the moral responsibilities of leaders and citizens.

Note: Expected to be given in 2004–05.

[Moral Reasoning 32. Reason and Evaluation]

Catalog Number: 5909

Thomas M. Scanlon, Jr.

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

Can moral judgments and other forms of evaluation be defended on rational and objective grounds? Do they need to be? Considers various positive and negative answers to these questions and examines the ways in which these answers are supported by differing views of the nature of persons and of the will. Readings include works by Plato, Hume, Kant, Nietzsche, and some contemporary writers.

Note: Expected to be given in 2004–05.

Moral Reasoning 33. Issues in Ethics

Catalog Number: 2255

Thomas M. Scanlon, Jr.

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

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

Note: Expected to be omitted in 2004–05.

[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 given in 2005–06.

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

Catalog Number: 1321

Jay M. Harris

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

This course will examine the ways in which a concept of God has informed Western moral discourse trying to help students engage the literature as they consider why one might think “if there is no God, all is permitted”? and why one might think if there is a God, human moral achievement is impossible.

Note: Expected to be given in 2004–05.

Moral Reasoning 56. Self, Freedom, and Existence

Catalog Number: 6507

Richard Moran

Half course (spring term). M., W., 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 2004–05.

Moral Reasoning 58. Slavery in Western Political Thought

Catalog Number: 8892

Richard Tuck

Half course (spring term). M., W., (F.), at 10; Th., at 10; Th., at 1; W., at 3; Th., at 12, and a weekly section to be arranged. EXAM GROUP: 3

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



slavery as an institution.

Note: Expected to be omitted in 2004–05.

[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

The relation of morality and politics to two central arenas of everyday life, work and family. Topics include the work ethic, rival conceptions of the family, marriage and its public recognition, the claims of independence, and conceptions of obligation. Readings drawn from classic and contemporary thinkers in moral and political thought, including Aristotle, Augustine, Milton, Locke, Marx, and Weber.

Note: Expected to be given in 2004–05.

Moral Reasoning 66. Moral Reasoning about Social Protest

Catalog Number: 7778

Susanna Siegel

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

An examination of moral questions that arise in the context of social protest in the 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? Texts include classic excerpts from Plato, Hobbes, Rawls, and Marx.

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

Catalog Number: 1631

Nancy Lipton Rosenblum

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

“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.

Note: Expected to be omitted in 2004–05.

Moral Reasoning 70. Rights

Catalog Number: 6413

Sharon R. Krause

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



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 US and in the international context. Readings are drawn from classical and contemporary thinkers in moral and political philosophy.

Note: Expected to be omitted in 2004–05.

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 168. Kant's 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

William H. Bossert

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

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

Note: 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 (graphical analysis, algebra, survey design) 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. Techniques, including the required use of a computer spreadsheet, will be developed and 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: Expected to be given in 2004–05.

Prerequisite: High school algebra and a willingness to think hard.

Quantitative Reasoning 28. The Magic of Numbers

Catalog Number: 4764

Joseph D. Harris and Barry C. Mazur

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

Quantitative Reasoning 32. Uncertainty and Statistical Reasoning

Catalog Number: 2228

Carl N. Morris

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

GROUP: 12, 13

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

Quantitative Reasoning 33. Causal Inference

Catalog Number: 0424

Donald B. Rubin

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

GROUP: 13, 14

Do private schools do a better job than their public counterparts? Does the existence of the QRR improve the quantitative literacy of the undergraduates at Harvard? Such questions dominate many decision-making processes, but only rarely are their “answers” based on the careful collection and analysis of empirical data. This course confronts such causal questions and how to reach inferentially valid answers that summarize uncertainty using formal probabilistic statements.

Note: Expected to be omitted in 2004–05.

Quantitative Reasoning 34. Counting People

Catalog Number: 4329

Peter T. Ellison

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

GROUP: 15, 16

The size, composition, distribution, and dynamics of human populations arise as important variables in many domains of inquiry spanning traditional academic boundaries, including sociology, history, economics, government, public health, and environmental science. This course seeks to introduce students to the field of human demography as both an area of study and a mode of inquiry. Emphasis is placed on understanding the methods by which inferences concerning the nature, distribution, and dynamics of human populations are made. Students analyze real demographic data from a country of their choice.

**Quantitative Reasoning 36. Statistics and Public Policy**

Catalog Number: 7412

Christopher Winship

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

Statistics 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, Quasi-Experiments, and Causal Inference. The goal is to acquire a clear, conceptual understanding of methods as opposed to the ability to manipulate formulas.

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 43. Introduction to Investments

Catalog Number: 4629

John Y. Campbell

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

This course introduces students to the basic mathematical tools and economic concepts needed to analyze financial investments. The course discusses the measurement of asset prices and returns, arbitrage, interest rates and discounting, quantitative measures of risk, portfolio choice, risk management, and derivative securities. Students are asked to apply these ideas to real financial data.

Note: Expected to be omitted in 2004–05.

Quantitative Reasoning 44. Greek Geometry and its Aftermath

Catalog Number: 7964

Paul G. Bamberg

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

Using modern concepts of algebra and trigonometry, we investigate why the ancient Greeks could carry out some geometric constructions with a compass and an unmarked straightedge, other constructions only by putting marks on the straightedge, and still others only by carrying out an infinite number of operations. We explore the history of “squaring the circle” from the



time of Archimedes up through the recent calculation of a trillion digits of pi, and we trace the evolution of the concept of number from the purely geometric view of ancient times to the digital view of the computer age.

Quantitative Reasoning 46. The Visual Display of Quantitative Information

Catalog Number: 9479

Alyssa A. Goodman

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

GROUP: 15, 16

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

Note: Expected to be omitted in 2004–05.

Departmental courses that satisfy the Quantitative Reasoning requirement

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

Applied Mathematics 21a. Mathematical Methods in the Sciences

Computer Science 50. Introduction to Computer Science I

Mathematics 1a. Introduction to Calculus

Mathematics 1b. Calculus, Series and Differential Equations

Mathematics 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.

Note: Expected to be given in 2004–05.

Science A-29. The Nature of Light and Matter

Catalog Number: 1706

Roy J. Glauber

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

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.

Science A-30. The Atmosphere

Catalog Number: 0477 Enrollment: Limited to 60.

Steven C. Wofsy and Daniel J. Jacob

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

The physical and chemical processes that regulate climate and the composition of the atmosphere are introduced, including mechanics, thermodynamics, radiation, and chemical kinetics.

Atmospheric temperature and precipitation; weather and climate; human activity as a factor for change; influence of carbon dioxide from fossil fuel on climate; modification of stratospheric ozone by industrial chemicals; air pollution; acid rain.

Science A-35. Matter in the Universe

Catalog Number: 5923 Enrollment: Limited to 325.

Robert P. Kirshner

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

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

Science A-36. Observing the Sun and the Stars

Catalog Number: 4775

Jonathan E. Grindlay

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

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

Science A-39. Time

Catalog Number: 0077

Gary J. Feldman

Half course (spring term). Tu., Th., 1:30–3, 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 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 2004–05.

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

[Science A-41. The Einstein Revolution]

Catalog Number: 3581

Peter L. Galison

Half course (spring term). Tu., Th., 9–10:30, 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 2004–05.

Science A-43. Environmental Risks and Disasters

Catalog Number: 6001

Göran Ekström

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

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

Note: Expected to be omitted in 2004–05.

[Science A-45. Reality Physics]

Catalog Number: 4562

Gerald Gabrielse

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

What flows from electrical wall sockets, cell phones, and power lines? What are the risks? How do magnetic resonance imaging, X-rays, and CT scans take pictures within our bodies, and with what danger? What are the lasers that inhabit grocery store checkout counters and CD players? What are atomic clocks? How have they and GPS satellites revolutionized navigation for



backpackers and ships? How does Einstein's famous formula describe the energy release from nuclei? What are nuclear reactors and nuclear waste? This quantitative study of the physics of daily life is intended to enable more informed choices in our society.

Note: Expected to be given in 2004–05.

[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 2004–05.

Science A-49. The Physics of Music and Sound

Catalog Number: 8987

Eric J. Heller

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

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

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 15. Inorganic 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-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; W., 2–4; Tu., 4–6; W., 4–6, plus two two-hour laboratories and periodic section meetings to explore special topics in depth. EXAM GROUP: 5
The physiology and pathophysiology of the human body will be presented with special emphasis on cardiovascular, respiratory, endocrine, and reproductive biology. Besides learning human biology, students will identify critical determinants of their health as well as the health status of diverse communities. Topics include not only the normal functioning of these systems but also their responses to infection, injury, and environmental stress. Through lectures and laboratories, students will explore how their own body functions. The relative power of diagnosis and treatment of disease (medicine) versus primary prevention of disease (public health) in promoting health will be emphasized.

[Science B-27. Human Evolution](#)

Catalog Number: 0470

David Pilbeam, Daniel E. Lieberman, and Maryellen Ruvolo

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

A survey of human evolution as a particular example of important issues in biological anthropology and evolutionary biology. Some principles of evolutionary theory, primate behavioral ecology, molecular evolution, and functional morphology are used to interpret the fossil record of the hominids (humans and their direct ancestors and collaterals), from hominid origins to the appearance of modern humans through to the present day. Emphasis is on the dynamic (behavioral, populational, and ecological) interpretation of the records.

[Science B-29. Evolution of Human Nature](#)

Catalog Number: 0152 Enrollment: Limited to 400.

Richard W. Wrangham and Marc D. Hauser

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



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

Science B-35. How to Build a Habitable Planet

Catalog Number: 7621

Charles H. Langmuir

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

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

Science B-40. The Biology of Trees and Forests

Catalog Number: 2635

Donald H. Pfister

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

Patrick Cavanagh

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

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



psychology, and art.

Note: Expected to be omitted in 2004–05.

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

Catalog Number: 3395

George M. Whitesides and Gregory L. Verdine

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 2004–05.

Prerequisite: Secondary school chemistry.

Science B-53. Marine Biology

Catalog Number: 7050 Enrollment: Limited

Robert M. Woollacott

Half course (fall term). Tu., Th., 10–11:30, and a two-hour weekly section to be arranged. Three field trips will substitute for three weeks of section. EXAM GROUP: 12, 13

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

Note: Expected to be omitted in 2004–05.

Prerequisite: Secondary school biology.

Science B-57. Dinosaurs and Their Relatives

Catalog Number: 0793

Charles R. Marshall

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

Comprehensive exploration of the biology, evolution, and extinction of the dinosaurs and their



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

Science B-60. Origins of Knowledge

Catalog Number: 8280

Susan E. Carey and Elizabeth S. Spelke

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

This course explores the origins and development of knowledge in the human child, in relation to two larger time scales: biological evolution and historical/cultural change. Drawing on evidence from experimental, comparative, and developmental psychology, cultural anthropology, linguistics, cognitive neuroscience, and history of science, it focuses on knowledge development in the domains of number, space, mind, biology, physics, and language. Questions include: How does human biology constrain and support human cognition? How variable are human knowledge systems across different cultures and times? What aspects of knowledge are unique to humans? How does knowledge change as children grow and adults gain expertise?

Science B-62. The Human Mind

Catalog Number: 3167

Steven Pinker

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

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

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. Integrative Biology of Organisms

Biological Sciences 52. Introductory Molecular Biology

Biological Sciences 53. Evolution, Diversity and History of Life

Biological Sciences 54. Introductory Cell Biology

Biological Sciences 80. Behavioral Neuroscience

Earth and Planetary Sciences 6. Introduction to Environmental Science: The Solid Earth

Earth and Planetary Sciences 8. History of the Earth

Engineering Sciences 6. Environmental Science and Technology

OEB 124 (formerly Biology 124). Biology of Plants



Social Analysis

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

Social Analysis

Social Analysis 10. Principles of Economics

Catalog Number: 3660

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

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

Introduction to economic issues and basic economic principles and methods. Fall term focuses on 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. Taught in a mixture of lectures and small sections. No calculus is used, and there is no mathematics background requirement. Designed for both potential economics concentrators and those who plan no further work in the field. The Department of Economics strongly encourages students considering concentration to take this course in their freshman year. This is a required course for all economics concentrators and a prerequisite for higher level courses in economics.

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

Catalog Number: 4247

Arthur Kleinman

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

An inquiry into the role of health and medicine in society that demonstrates how anthropological analysis can be applied to the study of illness and care. Compares medical systems across societies to understand the experience and treatment of sickness. Analyzes how practitioners and patients construe sickness and suffering as distinctive social realities, and how those realities are organized in local cultural systems. Assesses varieties of suffering as social phenomena in order to appreciate the social sources of global social problems, the cross-cultural variety of illness experiences, the reform of services, and the global moral and political-economic crisis in health care.

Note: Expected to be given in 2004–05.



Social Analysis 34. Knowledge of Language

Catalog Number: 2069

Jay Jasanoff and Javier Martín-González

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, language change, language disorders, and language games. The course also addresses central issues in psycholinguistics, sociolinguistics, and speech recognition.

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.

Social Analysis 43. Psychological Trauma

Catalog Number: 9983

Richard J. McNally

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

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

Catalog Number: 3544

Kenneth A. Shepsle

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

A commonsensical survey of rational theories of politics, comprised of four segments: (1) individual choice, (2) group choice, (3) collective action, and (4) institutions. The underlying theme is that politics may be described and understood in terms of rational, goal-seeking behavior by citizens, politicians, bureaucrats, and interest groups in various institutional settings.



Students are encouraged to think deeply and with sophistication about current events, history, and public life generally, as well as to analyze the politics of private life—in families, clubs, firms, churches, universities, even Harvard Houses—since private politics, like public politics, may be understood in terms of rational behavior.

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

Catalog Number: 4409

C. C. Lamberg-Karlovsky

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

Examines the development and structure of the earliest state-level societies in the ancient world. Archaeological approaches are used to analyze the major factors behind the processes of urbanization and state formation in Mesopotamia, Egypt, Central Asia, the Indus Valley, and Mesoamerica. The environmental background as well as the social, political, and economic characteristics of each civilization are compared to understand the varied forces that were involved in the transitions from village to urbanized life. Discussion sections utilize archaeological materials from the Peabody Museum and Semitic Museum collections to study the archaeological methods used in the class.

Note: No previous knowledge of archaeology is necessary.

Social Analysis 52. The Political Economy of Development

Catalog Number: 1879

Robert H. Bates

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

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

Social Analysis 54. American Society and Public Policy

Catalog Number: 6661

Theda Skocpol and Mary C. Waters

Half course (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 US history, this course combines demographic data on societal trends, ethnographic data on people's everyday lives and outlooks, and evidence about changing institutional structures. This combination of approaches often pursued separately in the social sciences is used to explore recurrent yet shifting controversies about the well-being of families and children, about immigration and citizenship, and about access to health care in the US.

Social Analysis 58. Representation, Equality, and Democracy

Catalog Number: 1341

Sidney Verba

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



12

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 incentives that lead the decision-makers to be responsive to these preferences. This course examines the way the complex and “unreadable” preferences in the public are communicated to governing officials. The course connects theories of representation and democracy to systematic studies of citizen behavior.

[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? The second half of the course considers interracial coalitions, identity politics, multiracialism, and the history of particular racial or ethnic groups. We conclude with several visions of racial and ethnic politics in America’s future.

Note: Expected to be given in 2004–05.

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

Catalog Number: 7451

William Julius Wilson

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

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.

[Social Analysis 70. Food and Culture]

Catalog Number: 3940

James L. Watson

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

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

Note: Expected to be given in 2004–05.

Social Analysis 72. Economics: A Critical Approach

Catalog Number: 1885

Stephen A. Marglin



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

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

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

Departmental courses that satisfy the Social Analysis requirement

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

[Economics 1010a. Microeconomic Theory](#)

[Economics 1010b. Macroeconomic Theory](#)

[Economics 1011a. Microeconomic Theory](#)

[Economics 1011b. Macroeconomic Theory](#)

Freshman Seminars and General Education Electives

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Freshman Seminars

Benedict H. Gross, George Vasmer Leverett Professor of Mathematics and Dean of Harvard College (*Chair*)

Julie A. Buckler, Professor of Slavic Languages and Literatures

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

Elizabeth M. Doherty, Director of Freshmen Seminars and Senior Lecturer on Social Studies (*ex*



officio)

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore

John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics, Associate of Pforzheimer House, Associate Dean for Academic Programs in the Division of Engineering and Applied Sciences (*on leave fall term*)

Jason A. Kaufman, John L. Loeb Associate Professor of the Social Sciences

David I. Laibson, Professor of Economics

Daniel E. Lieberman, Professor of Anthropology

Other Faculty Offering Instruction in the Freshman Seminar Program

W. Nathan Alexander, Lecturer on History and Literature

Kathleen R. Arnold, Lecturer on Social Studies

Paul G. Bamberg, Senior Lecturer in Mathematics

Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology

Ana P. Barros, Associate Professor of Environmental Engineering on the Gordon McKay Endowment, Visiting Scholar in Environmental Engineering

Bruce P. Bean, Professor of Neurobiology (*Medical School*)

Sue Brown, Associate Professor of Slavic Languages and Literatures

Rory A. W. Browne,

Peter Buck, Senior Lecturer on the History of Science

Peter J. Burgard, Professor of German

David L. Carrasco, Neil L. Rudenstine Professor of the Study of Latin America in the Faculty of Divinity and the Faculty of Arts and Sciences

Oona Britt Ceder,

Kathryn Ann Chadbourne, Associate of the Department of Celtic Languages and Literatures, Preceptor in Expository Writing, Teaching Assistant in Special Concentrations, Lecturer on Celtic Languages and Literatures

Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy

Richard N. Cooper, Maurits C. Boas Professor of International Economics (*on leave spring term*)

Paulette G. Curtis, Lecturer on Anthropology

Leo Damrosch, Harvard College Professor and the Ernest Bernbaum Professor of Literature

Arthur P. Dempster, Professor of Theoretical Statistics

Samba Diop, Assistant Professor of Romance Languages and Literatures

Frank Dobbin, Professor of Sociology

Kathleen Donohue, Assistant Professor of Biology

Noam D. Elkies, Professor of Mathematics (*on leave spring term*)

John L. Ellison,

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Jan L. Feldman, Visiting Associate Professor of Social Studies (*University of Vermont*)

Coral P. Fernandez-Illescas, Allston Burr Senior Tutor in Kirkland House, Lecturer on Engineering Sciences

Rena Fonseca,



David R. Foster, Senior Lecturer on Biology
Robert France, Adjunct Associate Professor of Landscape Ecology (*Design School*)
Laura Garwin, Lecturer on Molecular and Cellular Biology
Roy J. Glauber, Mallinckrodt Professor of Physics
Jene A. Golovchenko, Gordon McKay Professor of Applied Physics and Professor of Physics
George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature (*on leave fall term*)
Jerome Elliot Groopman, Dina and Raphael Recanati Professor of Medicine (*Medical School*)
Karl S. Guthke, Kuno Francke Professor of German Art and Culture (*on leave fall term*)
Alfred F. Guzzetti, Osgood Hooker Professor of Visual Arts
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
Dudley R. Herschbach, Frank B. Baird, Jr. Research Professor of Science
Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies
Paul F. Hoffman, Sturgis Hooper Professor of Geology
N. Michele Holbrook, Charles Bullard Professor of Forestry (*on leave spring term*)
Kiaran Aeven Honderich, Lecturer on Social Studies
David H. Hubel, Research Professor of Neurobiology (*Medical School*)
John P. Huchra, Robert O. and Holly Thomis Doyle Professor of Cosmology
John Huehnergard, Professor of Semitic Philology
Steven E. Hyman, Professor of Neurobiology (*Medical School*) and Provost of Harvard University
Wilt Lukas Idema, Professor of Chinese Literature
Francis Abiola Irele, Visiting Professor of African and African American Studies and of Romance Languages and Literatures (*Ohio State University*)
William Klemperer, Erving Research Professor of Chemistry
Jeremy R. Knowles, Harvard University Distinguished Service Professor and Amory Houghton Professor of Chemistry and Biochemistry
Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
Jennifer Leaning, Professor of International Health (*Public Health*)
Myron Lecar, Lecturer on Astronomy
Christopher Lee,
Leo Ou-Fan Lee, Professor of Chinese Literature (*on leave fall term*)
Jonathan Ian Levy, Assistant Professor of Environmental Health and Risk Assessment (*Public Health*)
Thomas A. Lewis, Assistant Professor of Christian Studies
Daniel E. Lieberman, Professor of Anthropology
James N. Mancall,
Carol C. Mancusi-Ungaro, Senior Lecturer on History of Art and Architecture
Avi Matalon, Assistant Professor of Near Eastern Languages and Civilizations
Lisa M. McGirr, Dunwalke Associate Professor of American History
Jens Meierhenrich, Lecturer on Social Studies
Everett I. Mendelsohn, Professor of the History of Science
Ralph Mitchell, Gordon McKay Professor of Applied Biology (*on leave spring term*)
Nancy Mitchnick, Rudolf Arnheim Lecturer on Studio Arts
Andrew R. Muldoon, Lecturer on History and Literature
Steven Ozment, McLean Professor of Ancient and Modern History



Gloria Pastorino,
Ann Pearson, Assistant Professor of Geochemistry
Joel Podolny, Professor of Sociology and Professor of Business Administration (*Business School*)
Leah Price, Professor of English and American Literature and Language
Jeremy Rau, Assistant Professor of Classics and Linguistics
Betsey A. Robinson, Assistant Professor of the Classics
James R. Russell, Mashtots Professor of Armenian Studies
Robert J. Sampson, Henry Ford II Professor of the Social Sciences
Stephanie Sandler, Professor of Slavic Languages and Literatures
Daniel L. Schacter, William R. Kenan, Jr. Professor of Psychology
Andrew P. Scheil, Lecturer on History and Literature
Catherine R. Shapiro, Allston Burr Senior Tutor in Leverett House, Lecturer on Government
Gwendolyn DuBois Shaw, Assistant Professor of History of Art and Architecture and of African and African American Studies
Stuart M. Shieber, Harvard College Professor and James O. Welch, Jr. and Virginia B. Welch Professor of Computer Science
P. Oktor Skjaervo, Aga Khan Professor of Iranian
Christine Smith, Robert C. and Marian K. Weinberg Professor of Architectural History (*Design School*)
Naomi Z. Sofer, Lecturer on History and Literature
Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies
Diana Sorensen, Professor of Romance Languages and Literatures and of Comparative Literature
Philip Stone, Professor of Psychology
Despina Stratigakos, Lecturer on Women's Studies
Christopher J. Sturr, Lecturer on Social Studies
Lawrence H. Summers, Professor of Economics and President of Harvard University
Rabun Taylor, Associate Professor of History of Art and Architecture (*on leave 2004-05*)
Maria J. Trumpler, Lecturer on the History of Science
Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies
Penny T. Tucker, Lecturer on History and Literature
Farzin Vahdat, Lecturer on Social Studies
Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies
Helen Vendler, Arthur Kingsley Porter University Professor
Eugene Wang, Gardner Cowles Associate Professor of the History of Art and Architecture
Richard Wilson, Mallinckrodt Research Professor of Physics
Christoph Wolff, Adams University Professor
Peter A. Zusi, Lecturer on Slavic Languages and Literatures

Other Faculty Offering Instruction in General Education Electives and House Seminars

Donald M. Berwick, Associate Professor in the Department of Health Policy and Management (*Public Health*) and Clinical Professor of Pediatrics and Health Care Policy in the Department of Pediatrics (*Medical School*)



Richard G. Frank, Margaret T. Morris Professor of Health Economics (*Medical School*)
Howard H. Hiatt, Professor of Social Medicine (*Medical School*) and Professor of Medicine (*Public Health*)
Joseph P. Kalt, Ford Foundation Professor of Political Economy (*Kennedy School*)
Shahram Khoshbin, Associate Professor of Neurology (*Medical School*)
Clifford Lo, Assistant Professor of Pediatrics (*Medical School*) and Assistant Professor of Nutrition (*Public Health*)
Armand M. Nicholi, II, Associate Clinical Professor of Psychiatry (*Medical School*)
Anthony G. Oettinger, Gordon McKay Professor of Applied Mathematics and Professor of Information Resources Policy (*on leave 2004-05*)
James R. Russell, Mashtots Professor of Armenian Studies
Warner V. Slack, Professor of Medicine (*Medical School*)
Roger E. Stoddard, Senior Lecturer on English

Freshman Seminars

Students entering Harvard College with freshman standing may apply for a freshman seminar during the first two terms of residence. Freshman Seminars may not be audited. For a complete description of the Freshman Seminar Program and 2003-04 offerings, please consult the current Freshman Seminar catalog. Catalogs may be obtained from the Freshman Seminar Office, 6 Prescott Street, Cambridge, MA 02138 (telephone: 617-495-1523; email: seminars@fas.harvard.edu). Additional information can be obtained from the Freshman Seminar website: www.fas.harvard.edu/~seminars.

Freshman Seminars 2003-04

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

Catalog Number: 7584 Enrollment: Limited to 12.

David H. Hubel (Medical School)

Half course (fall term). Meets at Medical School, Tu., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 21s. Germs**

Catalog Number: 2067 Enrollment: Limited to 12.

Ralph Mitchell

Half course (fall term). W., 1:30–4:30.

Note: Open to Freshmen only.

***Freshman Seminar 21t. Theoretical Cosmology**

Catalog Number: 0034 Enrollment: Limited to 12.

Myron Lecar

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

Note: Open to Freshmen only.



***Freshman Seminar 21u. Calculating Pi**

Catalog Number: 4737 Enrollment: Limited to 12.

Paul G. Bamberg

Half course (fall term). W., 2:30–5:30.

Note: Open to Freshmen only.

***Freshman Seminar 21w. Research at the Harvard Forest**

Catalog Number: 0060 Enrollment: Limited to 11.

David R. Foster

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

Note: Open to Freshmen only. Four weekends at the Harvard Forest in Petersham, MA to be arranged.

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

Catalog Number: 4075 Enrollment: Limited to 12.

John P. Huchra

Half course (fall term). M., 2–5:30.

Note: Open to Freshmen only.

***Freshman Seminar 22e. Molecular Motors and Pumps**

Catalog Number: 6565 Enrollment: Limited to 12.

Dudley R. Herschbach

Half course (spring term). Th., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 22g. Science and Technology**

Catalog Number: 4777 Enrollment: Limited to 12.

Roy J. Glauber

Half course (spring term). Tu., 2–4.

Note: Open to Freshmen only.

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

Catalog Number: 4039 Enrollment: Limited to 12.

William Klemperer

Half course (spring term). W., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 22k. Can Machines Think? The Turing Test and the Possibility of Natural-Language Interaction with Computers**

Catalog Number: 1997 Enrollment: Limited to 12.

Stuart M. Shieber

Half course (spring term). Th., 2:30-5:30, and occasional meetings at other times.

Note: Open to Freshmen only.

***Freshman Seminar 22n. Addiction**

Catalog Number: 1801 Enrollment: Limited to 12.



Steven E. Hyman

Half course (spring term). Th., 3–6.

Note: Open to Freshmen only.

***Freshman Seminar 22p. Science in the Public Eye: The Court of Public Opinion, Media, and Politics**

Catalog Number: 9870 Enrollment: Limited to 12.

Ann Pearson

Half course (fall term). W., 1:30–4.

Note: Open to Freshmen only.

***Freshman Seminar 22u. The Genome and Society**

Catalog Number: 9509 Enrollment: Limited to 12.

Laura Garwin

Half course (spring term). M., 3–6.

Note: Open to Freshmen only.

***Freshman Seminar 22x. Bioluminescence**

Catalog Number: 9569 Enrollment: Limited to 12.

J. Woodland Hastings

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

Note: Open to Freshmen only.

***Freshman Seminar 22y. Electrical Signaling in Neurons**

Catalog Number: 9615 Enrollment: Limited to 8.

Bruce P. Bean (Medical School)

Half course (fall term). W., 2–4.

Note: Open to Freshmen only.

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

Catalog Number: 8839 Enrollment: Limited to 12.

Richard Wilson

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

Note: Open to Freshmen only.

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

Catalog Number: 1902 Enrollment: Limited to 12.

Kathleen Donohue

Half course (fall term). Tu., 2–5.

Note: Open to Freshmen only.

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

Catalog Number: 5445 Enrollment: Limited to 12.

Noam D. Elkies

Half course (fall term). M., 2–5.

Note: Open to Freshmen only.



***Freshman Seminar 23k. Writing the Narrative of Illness**

Catalog Number: 1904 Enrollment: Limited to 12.

Jerome Elliot Groopman (Medical School)

Half course (spring term). Th., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 23n. Why Did Intelligence Evolve on Earth?**

Catalog Number: 8603 Enrollment: Limited to 12.

Paul F. Hoffman

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

Note: Open to Freshmen only.

***Freshman Seminar 23p. When Antibiotics Fail: From Sore Throats to Tuberculosis to Anthrax**

Catalog Number: 4133 Enrollment: Limited to 12.

Jeremy R. Knowles

Half course (fall term). Th., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 23s. The Seven Sins of Memory**

Catalog Number: 8910 Enrollment: Limited to 12.

Daniel L. Schacter

Half course (spring term). M., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 23t. Experiment and Persuasion: An Interdisciplinary Approach to the Study of Experimentation**

Catalog Number: 6158 Enrollment: Limited to 12.

Maria J. Trumpler

Half course (fall term). W., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 23u. Darwin**

Catalog Number: 6924 Enrollment: Limited to 12.

Everett I. Mendelsohn

Half course (spring term). Th., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 23w. A Journey Through Statistical Sciences**

Catalog Number: 3227 Enrollment: Limited to 12.

Arthur P. Dempster

Half course (spring term). Th., 4–6.

Note: Open to Freshmen only.

***Freshman Seminar 23x. The Origin and Evolution of Homo**

Catalog Number: 9218 Enrollment: Limited to 12.



Daniel E. Lieberman

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

Note: Open to Freshmen only.

***Freshman Seminar 23y. Applied Microfluidics: Structure, Function, and Evolution of Trees**

Catalog Number: 5848 Enrollment: Limited to 12.

N. Michele Holbrook

Half course (fall term). M., 2-4 with field trips to the Arnold Arboretum on alternate weeks (M., 1-5).

Note: Open to Freshmen only.

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

Catalog Number: 6423 Enrollment: Limited to 12.

Roberto G. Kolter (Medical School)

Half course (fall term). W., 2-4.

Note: Open to Freshmen only.

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

Catalog Number: 3573 Enrollment: Limited to 12.

Jene A. Golovchenko

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

Note: Open to Freshmen only.

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

Catalog Number: 6991 Enrollment: Limited to 12.

Shaye J.D. Cohen

Half course (fall term). Th., 1-3.

Note: Open to Freshmen only.

***Freshman Seminar 32u. Nietzsche's Major Works**

Catalog Number: 8476 Enrollment: Limited to 12.

Peter J. Burgard

Half course (spring term). M., 6-8 p.m.

Note: Open to Freshmen only.

***Freshman Seminar 32x. Topics in Indo-Tibetan Buddhism**

Catalog Number: 2937 Enrollment: Limited to 12.

Leonard W. J. van der Kuip

Half course (fall term). F., 2-5.

Note: Open to Freshmen only.

***Freshman Seminar 32y. Goethe's Faust**

Catalog Number: 0139 Enrollment: Limited to 12.

Karl S. Guthke



Half course (spring term). M., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 33j. Greece and the East**

Catalog Number: 0573 Enrollment: Limited to 12.

James R. Russell

Half course (fall term). W., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 33v. France’s Racial Minorities of African Descent**

Catalog Number: 9145 Enrollment: Limited to 12.

Samba Diop

Half course (spring term). Th., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 34e. Fear Itself**

Catalog Number: 0668 Enrollment: Limited to 12.

Stephanie Sandler

Half course (fall term). Th., 1:30–4 with regular film screenings on Tu 7-9:30.

Note: Open to Freshmen only.

***Freshman Seminar 34g. Saint Peter’s and the Vatican from Antiquity to the Baroque**

Catalog Number: 8796 Enrollment: Limited to 12.

Christine Smith (Design School)

Half course (spring term). Tu., 1–4.

Note: Open to Freshmen only.

***Freshman Seminar 34p. Literature and the Possibility of Justice**

Catalog Number: 9604 Enrollment: Limited to 12.

Avi Matalon

Half course (fall term). Th., 3–5:30.

Note: Open to Freshmen only.

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

Catalog Number: 9905 Enrollment: Limited to 12.

Jeremy Rau

Half course (spring term). W., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 35g. Jean-Jacques Rousseau**

Catalog Number: 8897 Enrollment: Limited to 12.

Leo Damrosch

Half course (fall term). Tu., 2–4.

Note: Open to Freshmen only.



***Freshman Seminar 35j. Filiality in Traditional Chinese Literature**

Catalog Number: 8420 Enrollment: Limited to 12.

Wilt Lukas Idema

Half course (fall term). M., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 35n. American Literature in English and Other Languages**

Catalog Number: 2907 Enrollment: Limited to 12.

Werner Sollors

Half course (fall term). W., 1–4.

Note: Open to Freshmen only.

***Freshman Seminar 35o. The Poetry of John Keats**

Catalog Number: 0064 Enrollment: Limited to 12.

Helen Vendler

Half course (fall term). M., 3–5.

Note: Open to Freshmen only.

***Freshman Seminar 35p. Western Images of China**

Catalog Number: 7868 Enrollment: Limited to 12.

Leo Ou-Fan Lee

Half course (spring term). Th., 2–4.

Note: Open to Freshmen only.

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

Catalog Number: 5198 Enrollment: Limited to 12.

Rabun Taylor

Half course (fall term). M., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 35t. 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., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 35u. The Wonders of the Ancient World**

Catalog Number: 3587 Enrollment: Limited to 12.

Betsey A. Robinson

Half course (fall term). Th., 2–5.

Note: Open to Freshmen only.

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

Catalog Number: 2788 Enrollment: Limited to 12.

Sue Brown



Half course (fall term). M., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 35x. Visualizing Texts in Chinese Art**

Catalog Number: 7906 Enrollment: Limited to 12.

Eugene Wang

Half course (spring term). Th., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 35y. Visible Language: Scripts and Writing Systems**

Catalog Number: 7664 Enrollment: Limited to 12.

John Huehnergard

Half course (fall term). Th., 3–5.

Note: Open to Freshmen only.

***Freshman Seminar 35z. The Novel and Its Media, From Don Quixote to the Internet**

Catalog Number: 4443 Enrollment: Limited to 12.

Leah Price

Half course (fall term). M., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 36e. Spanish-American Culture and Society in the 1960s -- The Last Utopia?**

Catalog Number: 8006 Enrollment: Limited to 12.

Diana Sorensen

Half course (fall term). Tu., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 36j. The Peasant in Literature**

Catalog Number: 6749 Enrollment: Limited to 12.

George G. Grabowicz

Half course (fall term). Tu., 1–4.

Note: Open to Freshmen only.

***Freshman Seminar 36k. Fin-de-Siècle Prague and Literature, 1890-1930**

Catalog Number: 9805 Enrollment: Limited to 12.

Peter A. Zusi

Half course (spring term). Tu., 1–4.

Note: Open to Freshmen only.

***Freshman Seminar 36n. Portrait of the Artist: Issues of Biography and Art History**

Catalog Number: 1232 Enrollment: Limited to 12.

Gwendolyn DuBois Shaw

Half course (fall term). W., 2–5.

Note: Open to Freshmen only.



***Freshman Seminar 36o. Form in Nonfiction Film**

Catalog Number: 0454 Enrollment: Limited to 12.

Alfred F. Guzzetti

Half course (fall term). Tu., 1-4, with weekly screenings Th., 1-5.

Note: Open to Freshmen only.

***Freshman Seminar 36s. Provocative Truths: The Role of the Fool in European Drama**

Catalog Number: 2562 Enrollment: Limited to 12.

Gloria Pastorino

Half course (fall term). Tu., 2-5.

Note: Open to Freshmen only.

***Freshman Seminar 36t. Chivalry: Myth and Reality from the Middle Ages to the Present**

Catalog Number: 9634 Enrollment: Limited to 12.

Andrew P. Scheil

Half course (fall term). Th., 1-4.

Note: Open to Freshmen only.

***Freshman Seminar 36u. Painting Natural History**

Catalog Number: 7528 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (spring term). Tu., 1-5.

Note: Open to Freshmen only.

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

Catalog Number: 7842 Enrollment: Limited to 12.

P. Oktor Skjaervo

Half course (spring term). W., 2-4.

Note: Open to Freshmen only.

***Freshman Seminar 36x. Domesticity and Its Discontents**

Catalog Number: 1133 Enrollment: Limited to 12.

Naomi Z. Sofer

Half course (spring term). W., 1-3.

Note: Open to Freshmen only.

***Freshman Seminar 36y. Founding Fictions: The American Novel in the Age of Revolution**

Catalog Number: 5987 Enrollment: Limited to 12.

Penny T. Tucker

Half course (fall term). Th., 3-5.

Note: Open to Freshmen only.

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

Catalog Number: 6375 Enrollment: Limited to 12.

Francis Abiola Irele (Ohio State University)



Half course (fall term). Tu., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 37e. Material and Method in Modern Art**

Catalog Number: 3805 Enrollment: Limited to 12.

Carol C. Mancusi-Ungaro

Half course (spring term). F., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 37g. The Simple Art of Murder**

Catalog Number: 5929 Enrollment: Limited to 12.

James N. Mancall

Half course (spring term). Th., 3–5.

Note: Open to Freshmen only.

***Freshman Seminar 37j. Myth and Myth Making in the Ancient Near East**

Catalog Number: 8675 Enrollment: Limited to 12.

John L. Ellison

Half course (spring term). Th., 3–5.

Note: Open to Freshmen only.

***Freshman Seminar 37k. China's Confucian Classics: A Close Reading of the Four Books**

Catalog Number: 5310 Enrollment: Limited to 12.

Wei-Ming Tu

Half course (spring term). M., 3–5.

Note: Open to Freshmen only.

***Freshman Seminar 37n. Folklore of the Irish Community**

Catalog Number: 7186 Enrollment: Limited to 12.

Kathryn Ann Chadbourne

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

Note: Open to Freshmen only.

***Freshman Seminar 37o. Framing the Art Museum**

Catalog Number: 2436 Enrollment: Limited to 12.

Despina Stratigakos

Half course (spring term). M., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 43x. The Political Theory of Schools and Prisons**

Catalog Number: 1476 Enrollment: Limited to 12.

Christopher J. Sturr

Half course (fall term). W., 2–5.

Note: Open to Freshmen only.



***Freshman Seminar 44g. Public Policy Approaches to Global Climate Change**

Catalog Number: 1032 Enrollment: Limited to 12.

Richard N. Cooper

Half course (fall term). W., 1:30–4.

Note: Open to Freshmen only.

***Freshman Seminar 44j. The Aztecs and Maya**

Catalog Number: 7826 Enrollment: Limited to 12.

David L. Carrasco and William L. Fash

Half course (spring term). W., 1:30–4:30.

Note: Open to Freshmen only.

***Freshman Seminar 44k. A History of Zoos**

Catalog Number: 6327 Enrollment: Limited to 12.

Rory A. W. Browne

Half course (spring term). W., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 44p. Contemporary India: Fact and Fiction**

Catalog Number: 0019 Enrollment: Limited to 12.

Rena Fonseca

Half course (fall term). M., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 44w. Measuring Inequality**

Catalog Number: 2973 Enrollment: Limited to 12.

Jonathan Ian Levy (Public Health)

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

Note: Open to Freshmen only.

***Freshman Seminar 45e. Issues of Immigration**

Catalog Number: 9456 Enrollment: Limited to 12.

Kathleen R. Arnold

Half course (fall term). W., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 45g. Activism, Bargaining, Conflict: Democratic Decision Making in the United States**

Catalog Number: 9788 Enrollment: Limited to 12.

Catherine R. Shapiro

Half course (fall term). Th., 1–4.

Note: Open to Freshmen only.

***Freshman Seminar 45n. Explaining HIV/AIDS**

Catalog Number: 9461 Enrollment: Limited to 12.

Kiaran Aeven Honderich



Half course (fall term). M., 3–5.

Note: Open to Freshmen only.

***Freshman Seminar 45s. The Orient of the Occident: China and India in the Mirror of the West**

Catalog Number: 7372 Enrollment: Limited to 12.

W. Nathan Alexander

Half course (fall term). Tu., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 45u. Commemorating Twentieth-Century America**

Catalog Number: 9864 Enrollment: Limited to 12.

Paulette G. Curtis

Half course (fall term). Th., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 45z. The Origins of Our Food: From the Neolithic Revolution to the Green Revolution**

Catalog Number: 5664 Enrollment: Limited to 12.

Ofer Bar-Yosef

Half course (spring term). M., 1:30–4:30.

Note: Open to Freshmen only.

***Freshman Seminar 46e. The Germans: From Arminius to Schroeder**

Catalog Number: 7802 Enrollment: Limited to 12.

Steven Ozment

Half course (fall term). W., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 46g. Changing Conceptions of Leadership**

Catalog Number: 1779 Enrollment: Limited to 12.

Philip Stone

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

Note: Open to Freshmen only.

***Freshman Seminar 46j. Science, Technology, and the Good Society**

Catalog Number: 7678 Enrollment: Limited to 12.

Peter Buck

Half course (spring term). W., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 46k. The Sacco and Vanzetti Case: Culture, Politics, and Memory**

Catalog Number: 7863 Enrollment: Limited to 12.

Lisa M. McGirr

Half course (spring term). M., 1–3.

Note: Open to Freshmen only.



***Freshman Seminar 46p. Human Rights**

Catalog Number: 8408 Enrollment: Limited to 12.

Jennifer Leaning (Public Health)

Half course (fall term). W., 3–5:30.

Note: Open to Freshmen only.

***Freshman Seminar 46s. The Idea of Crime**

Catalog Number: 5122 Enrollment: Limited to 12.

Robert J. Sampson

Half course (spring term). M., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 46u. The Northern Side of the Civil Rights Movement**

Catalog Number: 4311 Enrollment: Limited to 12.

Evelyn Brooks Higginbotham

Half course (fall term). Tu., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 46w. Affirmative Action at Work**

Catalog Number: 4603 Enrollment: Limited to 12.

Frank Dobbin

Half course (fall term). M., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 46x. Religion, Liberalism, and Democracy**

Catalog Number: 5360 Enrollment: Limited to 12.

Jan L. Feldman (University of Vermont)

Half course (fall term). Th., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 46y. An Orwellian World: George Orwell and the Twentieth Century**

Catalog Number: 1490 Enrollment: Limited to 12.

Andrew R. Muldoon

Half course (fall term). Th., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 46z. Islam and Modernity**

Catalog Number: 0950 Enrollment: Limited to 12.

Farzin Vahdat

Half course (fall term). W., 4–6.

Note: Open to Freshmen only.

***Freshman Seminar 47e. The Politics of Love and Friendship: The Sources of Human Affiliation in the Family, Society, and the State**

Catalog Number: 0557 Enrollment: Limited to 12.

Oona Britt Ceder



Half course (spring term). Th., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 47g. Genocide**

Catalog Number: 4910 Enrollment: Limited to 12.

Jens Meierhenrich

Half course (spring term). Th., 4–6.

Note: Open to Freshmen only.

***Freshman Seminar 47j. The Ethics of War**

Catalog Number: 1924 Enrollment: Limited to 12.

Elizabeth M. Doherty

Half course (fall term). Th., 3–5.

Note: Open to Freshmen only.

***Freshman Seminar 47k. The Invention of Nature**

Catalog Number: 6260 Enrollment: Limited to 12.

Robert France (Design School)

Half course (fall term). Th., 1–3:30.

Note: Open to Freshmen only.

***Freshman Seminar 47n. Visualizing the Social World**

Catalog Number: 0101 Enrollment: Limited to 12.

Joel Podolny (Business School)

Half course (spring term). Th., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 47p. Life Histories from Twentieth-Century South Africa**

Catalog Number: 3013 Enrollment: Limited to 12.

Christopher Lee

Half course (fall term). Tu., 3–5.

Note: Open to Freshmen only.

***Freshman Seminar 47s. Individuality, Community, and Freedom**

Catalog Number: 5885 Enrollment: Limited to 12.

Thomas A. Lewis

Half course (fall term). Tu., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 47t. Globalization: Opportunities and Challenges**

Catalog Number: 1521 Enrollment: Limited to 12.

Lawrence H. Summers

Half course (fall term). M., 7–9 p.m.

Note: Open to Freshmen only.

General Education Courses



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. Examines: how technological opportunities stimulate the hype and the ripe in information infrastructures; the roles that governments and private entities play in information enterprises, security and privacy, intellectual property rights, and other realms. Also looks at contemporary parallels with such 19th-century phenomena as growth of the US Post Office and shifts to steam-driven printing presses. Each term paper traces linkages between evolving information suppliers and a student-picked sphere of information use.

Note: Term paper in lieu of final examination; extensive research expected of graduate students. Offered jointly with the Kennedy School as BGP-586.

Prerequisite: Social Analysis 10 or elementary calculus or equivalent.

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

Catalog Number: 9630 Enrollment: Limited to 15.

Anthony G. Oettinger

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

Examines evolution of concepts, technologies, and institutions of US intelligence and military communities since WWII. Studies linkages with international security and domestic policies. Develops and evaluates similarities between functions and support systems of intelligence staff and the command-and-control line on the one hand, and business management information and decision-making functions and support systems on the other. Term paper in lieu of final examination; extensive research expected of graduate students.

Note: Offered jointly with the Kennedy School of Government as ISP-483. Students with political, legal, economic, civilian, military, technical, or other backgrounds welcome. Cross-registration by Law, Business, or Kennedy School students encouraged.

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., 2:40–4. EXAM GROUP: 5, 6

Uses a hands-on, interdisciplinary approach to examine major issues faced by today's Native American bands, tribes, and nations. Included: 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 viewpoints, form central themes of the course. All aspects of course 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 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., 1–2:30; and a weekly section to be arranged. EXAM GROUP: 16, 17

Provides overview of US health care delivery system, components, and policy challenges. Health care system 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. 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 includes selections from medical sociology, economics, politics, and ethics.

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

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

Catalog Number: 4832 Enrollment: Limited to 35.

Donald M. Berwick, Howard H. Hiatt, Warner V. Slack (Medical School) and guest lecturers

Half course (spring term). Tu., 4:30-6:30 with a section Th., 4:30-6:30. EXAM GROUP: 18

Offers information and experiences regarding most important issues and challenges in health care quality. Overview of the dimensions of quality of care, including outcomes, overuse, underuse, variation in practice patterns, errors and threats to patient safety, service flaws, and forms of waste. Each session focuses on one specific issue, exploring patterns of performance, data sources, costs, causes, and remedies. Explores desirable properties of health care systems that perform at high levels in many dimensions of quality.

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 72 (formerly *Adams 122). Printed Books as a Field of Study**

Catalog Number: 6137 Enrollment: Limited to 6.

Roger E. Stoddard

Half course (fall 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 post-modern renovations of today. Books from Houghton Library collections viewed and discussed in relation to their manufacture, distribution, and use. Much of the work will be comparative.

Note: Expected to be omitted in 2004–05.



Currier

[*Currier 79 (formerly *Currier 129). Medical Ethics: Issues in Law and Medicine]

Catalog Number: 9614 Enrollment: Limited to 20.

Shahram Khoshbin (Medical School)

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

Explores medical and legal aspects of current topics in the field of medical ethics, with particular attention to medical decision-making at the beginning and end of life, experimentation with human subjects, human reproductive technologies, mental illness, and experimentation on animals. The historical background of present-day medical practices and relevant law will also be discussed.

Note: Expected to be given in 2004–05. All students are welcome, but this seminar is particularly geared to pre-medical and pre-law students.

Eliot

***Eliot 79 (formerly *Eliot 129). Nutrition and Public Health**

Catalog Number: 1497 Enrollment: Limited to 20.

Clifford Lo

Half course (spring term). Tu., 5:30–7:30 p.m. EXAM GROUP: 18

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 are optional.

Leverett

***Leverett 74 (formerly *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. EXAM GROUP: 18

Focuses on “scientific” Weltanschauung (world view) of Freud as a key to his life and work. Examines the world view Freud attacks through readings from C. S. Lewis and letters between Freud and Oskar Pfister, Swiss psychoanalyst and theologian. Themes: source of morality and ethics, human sexuality, problem of pain and human suffering, definition of happiness and reason that unhappiness prevails, role of different categories of love in human relationships, and “the painful riddle of death.”

Winthrop

***Winthrop 73 (formerly *Winthrop 123). The New Colossus: Vladimir Vladimirovich Nabokov**



Catalog Number: 9711 Enrollment: Limited to 20.

James R. Russell

Half course (spring term). W., 7–11 p.m. EXAM GROUP: 9

Explores life and work through autobiography, five major novels, several short stories, related Russian poems by Nabokov as well as other poets, and scholarly writings. How does Nabokov's writing reflect old and new themes and suggest a new intellectual type of free and creative man—rooted in Russian culture and intellect, defiant of tyranny, suffering in exile, creating inner freedom, expansive in love, thriving in American democracy, and profoundly moral and metaphysical?

African and African American Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of African and African American Studies

Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities (*Chair*) (*on leave 2003-04*)

Lawrence D. Bobo, Norman Tishman and Charles M. Diker Professor of Sociology and of African and African American Studies (*Acting Chair*)

Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies

Glenda R. Carpio, Assistant Professor of African and African American Studies and English and American Literature and Language (*on leave spring term*)

Kimberly McClain DaCosta, Assistant Professor of African and African American Studies and of Social Studies

Michael C. Dawson, Professor of Government (*Director of Graduate Studies*)

Marla F. Frederick, Assistant Professor of African and African American Studies and of the Study of Religion

Evelynn M. Hammonds, Professor of the History of Science and of African and African American Studies

Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies (*Director of Undergraduate Studies*)

Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government (*on leave 2003-04*)

John P. Hutchison, Visiting Associate Professor of African and African American Studies (*Boston University*)

Francis Abiola Irele, Visiting Professor of African and African American Studies and of Romance Languages and Literatures (*Ohio State University*)

Isaac Julien (*spring term only*)

Jamaica Kincaid, Visiting Lecturer on African and African American Studies and on English and American Literature and Language



J. Lorand Matory, Professor of Anthropology and of African and African American Studies
Elvis Mitchell, Visiting Lecturer on African and African American Studies and on Visual and Environmental Studies
Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment
Marcyliena Morgan, Associate Professor of African and African American Studies
John M. Mugane, Senior Preceptor in African and African American Studies (*Director of the African Language Program*)
Susan E. O'Donovan, Assistant Professor of African and African American Studies and of History (*on leave 2003-04*)
Linda E. Prince, Lecturer on African and African American Studies
Gwendolyn DuBois Shaw, Assistant Professor of History of Art and Architecture and of African and African American Studies
Tommie Shelby, Assistant Professor of African and African American Studies and of Social Studies
Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies
William Julius Wilson, Lewis F. and Linda L. Geyser University Professor

Other Faculty Offering Instruction in African and African American Studies

Emmanuel K. Akyeampong, Professor of History and of African and African American Studies
Homi K. Bhabha, Anne F. Rothenberg Professor of English and American Literature and Language
Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*on leave 2003-04*)
Orlando Patterson, John Cowles Professor of Sociology
Elisabeth Schüssler Fiorenza, Krister Stendahl Professor of Divinity (*Divinity School*) (*on leave fall term*)
Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies (*on leave 2003-04*)
Ronald Thiemann, John Lord O'Brian Professor of Theology (*Divinity School*)
Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)

Primarily for Undergraduates

Afro-American Studies A. Elementary Hausa

Catalog Number: 0330

John P. Hutchison (Boston University)

Full course. Fall: M., W., F., at 4; Spring: Tu., 3–5, F., 1–3. EXAM GROUP: Fall: 9; Spring: 6, 7, 17

A study of an important lingua franca of West Africa at the elementary level. Emphasis on written expression, reading comprehension, and oral fluency.

Note: Not open to auditors. Contact hours to be supplemented by language lab sessions.



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

Catalog Number: 0802

Michael C. Dawson and Evelyn M. Hammonds

Half course (spring term). M., W., at 11; W., at 5. EXAM GROUP: 4

An exploration of some of the key texts and issues in African and African American Studies from a range of disciplinary perspectives. Members of the faculty deliver guest lectures in their own areas of specialization.

Note: Required of concentrators. Students who transfer into the concentration after their sophomore year may substitute another African and African American Studies course already taken if they satisfy the Director of Undergraduate Studies that it establishes a basic familiarity with the materials covered in Afro-American Studies 10.

Afro-American Studies 20. Introduction to African Languages and Cultures

Catalog Number: 2048

John M. Mugane

Half course (fall term). M., W., at 2. EXAM GROUP: 7

An introduction to African languages and cultures. Explores language use by sub-Saharan Africans to understand, organize, and transmit indigenous knowledge to successive generations. Language serves as a road map to understanding how social, political, and economic institutions and processes develop: from kinship structures, the evolution of political offices, trade relations, to the transfer of environmental knowledge.

Afro-American Studies 90r. African Language Tutorials

Catalog Number: 7010

John M. Mugane and others

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: 18

Individualized study of an African language at the elementary level. Contact hours with language coach. Emphasis on written expression, reading comprehension and oral fluency. The following languages can taken: Igbo, Kikuyu, Twi, Wolof, Yoruba, and Zulu.

Note: Not open to auditors.

***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 Director of Undergraduate Studies for approval, stating the proposed project, and must have permission of the proposed instructor. Ordinarily, students are required to have taken some coursework as background for their project.

***Afro-American Studies 97a. Topics in Afro-American Cultures: West African Cultures**

Catalog Number: 1439

J. Lorand Matory

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

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 “Santeria.” 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 America, includes comparative materials from Africa, Asia, Europe, and the Pacific.

Note: Limited to African and African American Studies concentrators, and others by permission of the instructor.

***Afro-American Studies 97b. Topics in Afro-American History and Society**

Catalog Number: 2393

Kimberly McClain DaCosta

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

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.

Note: Limited to African and African American Studies concentrators, and others by permission of instructor.

***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 Director of Undergraduate Studies for approval, stating the proposed project, and must have the permission of the proposed instructor. Ordinarily, students are required to have taken some coursework as background for their project.

Prerequisite: Completion of 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 (spring 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 2004–05.

Afro-American Studies 115 (formerly Afro-American Studies 130). The Harlem Renaissance and the Negritude Movement

Catalog Number: 1261

Francis Abiola Irele (Ohio State University)

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

We examine the thematic continuum between the Harlem Renaissance and the Negritude movement. The prevalence of the African theme in African American literature and thought will provide a background as well as focal reference for the exploration of the African experience by writers of the Negritude movement. The work of the writers involved in what has been called the Haitian Renaissance and the *negrismo* movement in Cuba will also be examined.

Afro-American Studies 116. Autobiography and Literary Imagination

Catalog Number: 8935 Enrollment: Limited to 25.

Jamaica Kincaid

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

Looks at how subject people imagine themselves. Reading Walcott, Rhys and Soyinka, Fanon, among others.

[Afro-American Studies 117. Who is Black?]

Catalog Number: 4142

Kimberly McClain DaCosta

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

We examine the ways that definitions of “who is black” changed during the 20th century exploring the social processes through which identities are constructed. We explore how struggles about who is black take place not only between blacks and whites, but blacks and other racialized groups, and among blacks themselves. The empirical cases we study deal with a variety of time periods, and geographic regions, with primary emphasis on the US.

Note: Expected to be given in 2004–05. Limited to African and African American studies concentrators, and others by permission of instructor.

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

Catalog Number: 7429

Linda E. Prince

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

An introduction to African-American history and the role black men and women have played in the cultural, economic, and political life of the US. Topics will include the rise of slavery; the American Revolution and the problem of slavery; African-American social, economic, and cultural life in the antebellum North and South; the struggle for freedom during the Civil War and Reconstruction; and African-Americans in the age of segregation and disenfranchisement.

[Afro-American Studies 119. The Age of Jim Crow]

Catalog Number: 6246

Evelyn Brooks Higginbotham



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

We explore the rise of Jim Crow beginning in the late nineteenth century and follows its implications and consequences for black and white Americans until the 1950s. We examine a number of themes, including the legal process, disfranchisement, violence, arts and entertainment, and scientific racism. We also study the institutions, leaders, and ideologies that enabled Americans as individuals and as a group to advance despite the obstacles.

Note: Expected to be given in 2004–05.

Afro-American Studies 122. Caribbean Women’s Literature from Mary Prince to Merle Hodge

Catalog Number: 5897 Enrollment: Limited to 25.

Jamaica Kincaid

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

Focusing primarily on the women writers from the English-speaking region of the West Indies: The readings include fiction, nonfiction, and poetry.

Afro-American Studies 126. Philosophical Perspectives on Race and Racism

Catalog Number: 7898 Enrollment: Limited to 25.

Tommie Shelby

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

Critically examines recent philosophical work on the themes of “race” and racism. Topics for discussion include the following: What is a “race” and do any exist? What does it mean to embrace or reject one’s racial identity? What is racism, and what makes it wrong? How should we, from the point of view of justice, respond to racism and the social problems it causes?

[Afro-American Studies 127. Marxist Theories of Racism]

Catalog Number: 3133 Enrollment: Limited to 25.

Tommie Shelby

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

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. We critically examine 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.

Note: Expected to be given in 2004–05. Preference given to African and African American Studies concentrators.

Afro-American Studies 128. Black Nationalism

Catalog Number: 3426

Tommie Shelby

Half course (spring term). M., 2–4; Tu., at 11; Tu., at 7 p.m. EXAM GROUP: 7, 8

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 131. African-American Literature to the 1920s

Catalog Number: 2589

Glenda R. Carpio

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

Close readings of major writers in the context of cultural history. I) Literature and folk culture in the slavery period: Wheatley, Olaudah Equiano, Omar Ibn Said, Victor Séjour, Lydia Maria Child, Douglass, Beecher Stowe, William Wells Brown, Frank Webb, Martin Robison Delany, and Harriet Jacobs. II) “Post-bellum, pre-Harlem”: Charles W. Chesnutt, Paul Laurence Dunbar, Pauline Hopkins, Du Bois, Booker T. Washington, and James Weldon Johnson. We examine diverse genres--from slave narratives, novels and poems to plays, speeches and song lyrics.

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

Catalog Number: 1090

Susan E. O’Donovan

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

No people had a larger stake in the abolition of slavery in the US than African-Americans. We focus on the critical roles they played in the national struggle over the meaning of freedom in the Civil War era. Special attention is 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 post-emancipation world.

Note: Expected to be given in 2004–05.

[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 2004–05.

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

Catalog Number: 9959

Jamaica Kincaid

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

“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.”

Note: Expected to be given in 2004–05.

Afro-American Studies 138z. Interracial Literature

Catalog Number: 0164

Werner Sollors

Half course (spring term). M., W., (F.), at 10; W., at 4; Th., at 2. EXAM GROUP: 3

We examine 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 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 140z. The Other African Americans]

Catalog Number: 0300

J. Lorand Matory

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

We survey the history and contemporary experiences of self-identified “mixed-race” groups, as well as voluntary immigrant groups from Africa and the Caribbean, such as Cape Verdeans, Nigerians, Jamaicans, Afro-Puerto Ricans, and Haitians in the United States. Students are introduced to arguments central to the social scientific study of modern societies generally, such as the invention of ethnicity, and negotiation of identity, and the social constructedness of race.

Note: Expected to be given in 2004–05.

[Afro-American Studies 141. 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 2004–05. Offered jointly with the Divinity School as 3692.

[Afro-American Studies 142. Afro-Latin Society and Politics]

Catalog Number: 6648

J. Lorand Matory

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

Survey of non-English-speaking populations of African descent in the Americas.

Note: Expected to be given in 2004–05.



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

Catalog Number: 9321

Lawrence D. Bobo

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

An engagement of 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 US.

Note: Expected to be given in 2004–05.

Afro-American Studies 152. African-American English

Catalog Number: 3137

Marcyliena Morgan

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

An examination of the changing and diverse character of the US African American speech community with an overview of language and communicative practices and beliefs. Special focus is on urban youth language, culture, and identity. We 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

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

An examination of the development of hip hop in the US as a cultural, political and artistic resource. In particular, we 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 is placed on hip hop in a variety of contexts including schools, religious organizations, and political movements.

Afro-American Studies 154. Discourse, Race, Class, and Gender

Catalog Number: 9990

Marcyliena Morgan

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

Our purpose is to study, analyze and critique theories concerning the discursive construction of identity(s) and forms of representation of cultures. We 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. Our focus is on language ideology and analysis of discourse styles used in the construction of regional, national, and global communities.

Afro-American Studies 155. Contact Languages: Language, Discourse, and Verbal Style in the African Diaspora



Catalog Number: 2388

Marcyliena Morgan

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

Contact situations are often catastrophic events and include conquerors and the conquered, oppressors and the oppressed, intermediaries, onlookers, and more. We explore the history of contact languages in the African Diaspora from a linguistic, political, social, and cultural perspective. Focus is on introduction to African languages and language contact resulting from plantation slavery in the Caribbean, and North and South America, and how it effects standardization, identity, and nationalism.

Afro-American Studies 166. Contemporary African-American Visual Culture: Proseminar

Catalog Number: 4829 Enrollment: Limited to 25.

Gwendolyn DuBois Shaw

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

We focus on the work of African American artists working today in the areas of painting, sculpture, photography, film/video, performance and installation. We explore the often complicated and politicized production, criticism, and exploitation of contemporary African American visual culture that occurs in their work. We pay special attention to issues of reception, market forces, and the construction of artistic personae in the work of Kara Walker, Fred Wilson, Jean-Michel Basquiat, and others.

[Afro-American Studies 167. Images of Blacks, Blacks Making Images]

Catalog Number: 2880

Gwendolyn DuBois Shaw

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

An examination of 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. The aim is to introduce 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: Expected to be given in 2004–05.

[Afro-American Studies 168. Visual Culture of Latina and African-American Women]

Catalog Number: 5551

Gwendolyn DuBois Shaw

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

Examines contemporary art made by African-American and Latina women working in North America. Special attention is given to various approaches to writing about raced and gendered artistic production taken over the last three decades. Throughout the course, we contrast critical with academic essays and traditional artistic approaches with Post-modern practices.

Note: Expected to be given in 2004–05.

[Afro-American Studies 169. Visualizing Africa]

Catalog Number: 6598

Suzanne P. Blier and Henry Louis Gates, Jr.

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



An examination of the various ways in which Africa historically has been conceptualized and visualized in art and illustrative materials. Emphasis is given to the critical reading of actual works of art and documents. Construction of self and others as seen through images are discussed. The interface between Africa and the Christian and Islamic Worlds, as well as larger concerns of Slavery, Colonialism, and contemporary art are examined.

Note: Expected to be given in 2004–05.

Afro-American Studies 172. Changing Concept of Race in America: Science and Medicine

Catalog Number: 6634

Evelynn M. Hammonds

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

Examines the history of concepts of race in science and medicine from the 17th century to the present. Topics include: debates about the origins of races; racial classification; race and disease; race and evolution; race and anthropology; race and eugenics and race and genetics. We compare various conceptions of scientific and medical racism and challenges to these ideas by scientists and physicians.

Afro-American Studies 174. The African City

Catalog Number: 9982

Suzanne P. Blier

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

This seminar investigates critical issues in Africa's rich urban centers. Architecture, city planning, spatial framing, popular culture, and new art markets are examined.

Afro-American Studies 181. Image of the Black in Western Art

Catalog Number: 9534

Suzanne P. Blier

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

This seminar will critically examine the depiction and contextualization of individuals of African descent in European and American art. Among the various issues raised are historic changes in the idea of and construction of race, the impact of early internationalism, notions of difference in the age of exploration, slavery and notions of selfhood, and representation as part of the larger colonial project.

Afro-American Studies 182. Rhythm and Blues, Soul and Funk

Catalog Number: 4282

Ingrid Monson

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

Focuses on the history of African American popular music from R&B, to Funk, with particular attention to the interplay among music and African American cultural and political consciousness. A variety of critical approaches to the study of popular music are also introduced.

Afro-American Studies 183. The African-American Experience in Film: 1930-1970

Catalog Number: 6790

Elvis Mitchell

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



A social and cultural survey of the black American in film, assuming the point of view that much of the performance functioned as a subversive form of communication. The pride widely believed to have launched these films was actually a façade for the formidable voltage of rage that fueled the charisma of black screen presences from Bill “Bojangles” Robinson to Bill Cosby.

Afro-American Studies 184. Women Who Testify: Religion in the Life of African American Women

Catalog Number: 1857

Marla F. Frederick

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

Explores the spiritual lives of Black women in the US. Based upon women’s testimonies (through autobiography, ethnography and documentary film), we examine the influence of religion in creating everyday experiences that both empower and disempower. Special emphasis is placed on the intersection of religion and culture, and the ways in which religion maintains and/or disrupts women’s traditional social assignments.

Afro-American Studies 185. The African Novel

Catalog Number: 6764

Francis Abiola Irele (Ohio State University)

Half course (spring term). W., 5:30–7:30 p.m. EXAM GROUP: 9

We examine a representative selection of African novels with a view to grasping the development of the genre from the double heritage of the oral tradition and the literate conventions of the West. The African novel will be studied in relation to the dominant themes—colonialism, social and cultural change, the post-colonial dilemma—and the textual strategies adopted by the novelists in their rendering of the African experience in modern times.

[Afro-American Studies 187y. Black Cinema as Genre: From Blaxploitation to Diaspora Cinema: Seminar]

Catalog Number: 9338 Enrollment: Limited to 25.

Isaac Julien

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

Looks at the history of African-American Cinema (from Oscar Micheaux to Spike Lee). Topics include: representation of gender; the role of Pam Grier; the soul filmgenre and black independent cinema (Ganja and Hess); the construction of black masculinity in gangsta-rap themed noir films; and the appropriation of black cinema by other film-makers including Quentin Tarantino. The second part of the course looks at black cinemas from around the world, including Britain, Australia, Africa.

Note: Expected to be given in 2004–05. Previous background in cultural theory and/or film theory recommended but not required.

Afro-American Studies 190. African-American Families: Politics, Culture, Experience

Catalog Number: 9440

Kimberly McClain DaCosta

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

“The Black Family” has often been at the center of political debates about social policy,



including welfare reform and crime. Such debates tend to obscure the particular historical, social, and economic circumstances that shape African American family life and posit a unidimensional black family experience. We explore the diversity of black family life-by class, region, family composition, and gender-and link social structure to how families form, function, and change.

Afro-American Studies 191. The Civil Rights Movement: Seminar

Catalog Number: 0897

Evelyn Brooks Higginbotham

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

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.

Afro-American Studies 192. Black Women Writers: from Harriet E. Wilson to Toni Morrison

Catalog Number: 1342 Enrollment: Limited to 25.

Glenda R. Carpio

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

A survey of works by black women both in the US and the Caribbean. We examine the challenges of writing within constricting ideologies of race and gender and the formal experimentation through which black women have engaged with those challenges. Our approach is historical and comparative: we explore the different forms those challenges take in the US and the Anglophone Caribbean from slavery to the present. Readings include both fiction and theory.

Afro-American Studies 193. Religion and Social Change in Black America

Catalog Number: 8058

Marla F. Frederick

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

Religion, as experienced in churches and mosques alike, has inspired new meanings of black subjectivity, history, and politics. From protest oriented struggles for civil rights to the personal responsibility calls of the Million Man March, religion has informed how Blacks engage the challenges of everyday life in America. Through ethnography, auto/biography and documentary film, this class examines the influence that the social reality of blackness and the religious expression of faith have had on the day to day existence of people of African descent in the US.

[Afro-American Studies 196z. Race, Segregation, and Inequality]

Catalog Number: 5210

Lawrence D. Bobo

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

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.

Note: Expected to be given in 2004–05.

Primarily for Graduates

Afro-American Studies 218. Topics in African American History

Catalog Number: 9951

Evelynn M. Hammonds

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

Explores new perspectives on Afro-American History from the slave trade to 1900. Central themes include black people's lives and labor in slavery and freedom, black culture, and African American influences on national political discourse. Special attention will be paid to the changing dynamics of class, gender, and race.

Afro-American Studies 231. Topics in African American Literature and Arts: African American Music

Catalog Number: 8492

Ingrid Monson

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

Examines the literature on African American music from the 17th through 20th centuries, with an emphasis on developing key historical and interpretive issues in the scholarly study of music. Interpretive issues include African continuities, music and race/identity, music and politics/economics, music and gender, music and cultural hybridity.

Graduate Courses

***Afro-American Studies 301. Humanities, Literary and Cultural Studies: Seminar**

Catalog Number: 3120

Michael C. Dawson 4434 and members of the Department

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

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. We focus on humanities and literary and cultural studies.

Note: Required for all graduates in African and African American Studies in their first year.

Ordinarily only graduate students affiliated with the program are permitted to attend.

***Afro-American Studies 302. Social Sciences: Seminar**

Catalog Number: 7559

Henry Louis Gates, Jr. 2899 (on leave 2003-04), Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Kimberly McClain DaCosta 4182, Michael C. Dawson 4434, Evelynn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave 2003-04), J. Lorand Matory 3098, Ingrid Monson 1591, Marcyliena Morgan 2212, Susan E. O'Donovan 3962 (on leave 2003-04), Gwendolyn DuBois Shaw 3799, Tommie Shelby 3863, Werner Sollors 7424, and William Julius Wilson 2401

Half course (spring term). .

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 African and African 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

Henry Louis Gates, Jr. 2899 (on leave 2003-04), Emmanuel K. Akyeampong 3421, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Glenda R. Carpio 4408 (on leave spring term), Kimberly McClain DaCosta 4182, Michael C. Dawson 4434, Marla F. Frederick 4728, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave 2003-04), Francis Abiola Irele (Ohio State University) 4354 (spring term only), J. Lorand Matory 3098, Ingrid Monson 1591, Marcyliena Morgan 2212, Susan E. O'Donovan 3962 (on leave 2003-04), Orlando Patterson 1091, Elisabeth Schüssler Fiorenza (Divinity School) 3193 (on leave fall term), Gwendolyn DuBois Shaw 3799, Tommie Shelby 3863, Kay Kaufman Shelemay 3483 (on leave 2003-04), Werner Sollors 7424, Ronald Thiemann (Divinity School) 3395, Roberto Mangabeira Unger (Law School) 4609, and William Julius Wilson 2401

Allows students to work with an individual member of the faculty in a weekly tutorial.

Note: Students may not register for this course until their adviser and the faculty member with whom they plan to work have approved a program of study.

***Afro-American Studies 390. Individual Research**

Catalog Number: 4046

Emmanuel K. Akyeampong 3421, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Michael C. Dawson 4434 (fall term only), Marla F. Frederick 4728, Henry Louis Gates, Jr. 2899 (on leave 2003-04), Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave 2003-04), Francis Abiola Irele (Ohio State University) 4354 (spring term only), J. Lorand Matory 3098, Ingrid Monson 1591, Marcyliena Morgan 2212, Susan E. O'Donovan 3962 (on leave 2003-04), Orlando Patterson 1091, Elisabeth Schüssler Fiorenza (Divinity School) 3193 (on leave fall term), Gwendolyn DuBois Shaw 3799, Tommie Shelby 3863, Kay Kaufman Shelemay 3483 (on leave 2003-04), Werner Sollors 7424, Ronald Thiemann (Divinity School) 3395, Roberto Mangabeira Unger (Law School) 4609, and William Julius Wilson 2401

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

Emmanuel K. Akyeampong 3421, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Michael C. Dawson 4434 (fall term only), Marla F. Frederick 4728, Henry Louis Gates, Jr. 2899 (on leave 2003-04), Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave 2003-04), J. Lorand Matory 3098, Ingrid Monson 1591, Marcyliena Morgan 2212, Susan E. O'Donovan 3962 (on leave 2003-04), Orlando Patterson 1091, Elisabeth Schüssler Fiorenza (Divinity School) 3193 (on leave fall term), Gwendolyn DuBois Shaw 3799, Tommie Shelby 3863, Kay Kaufman Shelemay 3483 (on leave 2003-04), Werner Sollors 7424,



Ronald Thiemann (Divinity School) 3395, Roberto Mangabeira Unger (Law School) 4609, and William Julius Wilson 2401

Cross-listed Courses

[**Anthropology 110. Introduction to Social Anthropology**](#)

[***Anthropology 205a. History and Theory of Social Anthropology: Proseminar**](#)

[***Economics 1357. Historical Perspectives on American Economic Ascendancy**](#)

[**Economics 1812. The US Labor Market**](#)

[**Economics 1815. Social Problems of the American Economy**](#)

[**English 167p. Postcolonial Narratives**](#)

[**English 192p. Postmodern Literature**](#)

[**\[*English 276x \(formerly *English 90vl\). African-American Literary Tradition: Graduate Seminar\]**](#)

[**Folklore and Mythology 90b \(formerly Folklore and Mythology 115\). The African Oral Narrative Tradition: Seminar**](#)

[**\[Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance as a Medium of Cultural and Personal Meaning\]**](#)

[**French 42 \(formerly French 38b\). Introduction à la littérature francophone**](#)

[**\[French 195. The African and Caribbean Novel in French: Comparative Perspectives\]**](#)

[**\[Government 90km. The Political Economy of Africa\]**](#)

[**\[Government 90qv. Democracy and the Information Technology Revolution\]**](#)

[**\[Government 1572. Black Americans and the Political System\]**](#)

[***Government 1968. International Politics in the Middle East**](#)

[**\[Government 2335. Power in American Society\]**](#)

[**\[Government 2392. American Political Ideologies\]**](#)

[**\[Historical Study B-52. Slavery and Slave Trade in Africa and the Americas\]**](#)

[**History 1611. The Age of the Atlantic Revolutions**](#)

[**History 1612. African Diaspora in the Americas**](#)

[**\[History 1620. History of the Old South\]**](#)

[**History 1621. Racial Politics in American Nations: Conference Course**](#)

[**History 1623. The American Civil War: 1861-1865**](#)

[***History 1635. Race and Race Relations Since Plessy: 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 19y \(formerly History of Art and Architecture 19\).**](#)

[**Introduction to the Art of Africa**](#)

[**History of Art and Architecture 193. Painting Traditions in Africa**](#)

[**History of Science 149. Medical Technologies in Historical Perspective: Conference Course**](#)

[**History of Science 259. Theories of Race and/in Science: Seminar**](#)

[**\[Literature and Arts B-27. Majesty and Mythology in African Art\]**](#)

[**Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue**](#)

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

[**Music 194r. Special Topics: Proseminar**](#)

[**Religion 1549. Media, Religion and Social Meaning**](#)



[Social Analysis 52. The Political Economy of Development](#)

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

[Sociology 60. Race and Ethnic Relations]

[*Sociology 221. Immigration, Identity and Assimilation: Seminar]

[Swahili A. Elementary Swahili](#)

[*Visual and Environmental Studies 152r. The Post-Cinematic in Video Art: Intermediate Studio Course]

[Visual and Environmental Studies 173x. American Film Criticism](#)

African Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on African Studies

Emmanuel K. Akyeampong, Professor of History and of African and African American Studies
(*Chair*)

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

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

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

Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies

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 (*on leave 2003-04*)

Wafaie W. Fawzi, Associate Professor of Nutrition and Epidemiology (*Public Health*)

Deborah D. Foster, Senior Lecturer on Folklore and Mythology

Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities (*on leave 2003-04*)

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

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

Francis Abiola Irele, Visiting Professor of African and African American Studies and of Romance Languages and Literatures (*Ohio State University*)

Saidi H. Kapiga, Assistant Professor of International Health (*Public Health*)

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

Michael Robert Kremer, Gates Professor of Developing Societies

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

J. Lorand Matory, Professor of Anthropology and of African and African American Studies



Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment

John M. Mugane, Senior Preceptor in African and African American Studies

Pauline E. Peters, Lecturer on Anthropology

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies (*on leave 2003-04*)

Ali A. Sultan, Assistant Professor of Immunology and Infectious Diseases (*Public Health*)

Lucie E. White, Lewis A. Horvitz Professor of Law (*Law School*)

Richard K. Wolf, Harris K. Weston Associate Professor of the Humanities

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 non-credit 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. Students interested in topics in African studies will find a number of courses among the offerings of the Department of African and African American Studies. In particular, instruction in several African languages is available, and interested students should consult the Director of that department's African language program.

In addition to the departmental offerings in the Faculty of Arts and Sciences listed in this publication, courses on Africa can also be found in the catalogs of the Schools of Public Health, Education, Law, Divinity, Business, and the Kennedy School of Government. Each September, the Committee publishes "African Studies at Harvard: A University-wide Guide to Courses and Faculty." The guide is posted at our website: www.fas.harvard.edu/~cafrica. A printed version is available at the Committee's administrative office in 1033 Massachusetts Ave, Room 216A, Cambridge, MA, 02138, or by calling 617-495-5265. The fax number is 617-496-5183, and email is cafrica@fas.harvard.edu.

Courses of Interest

[*Afro-American Studies 97b. Topics in Afro-American History and Society](#)
[Afro-American Studies 115 \(formerly Afro-American Studies 130\). The Harlem Renaissance and the Negritude Movement](#)
[Afro-American Studies 140z. The Other African Americans]
[Afro-American Studies 141. Afro-Atlantic Religions]
[Afro-American Studies 169. Visualizing Africa]
[Afro-American Studies 174. The African City](#)
[Afro-American Studies 181. Image of the Black in Western Art](#)
[Afro-American Studies 185. The African Novel](#)



[Afro-American Studies 187y. Black Cinema as Genre: From Blaxploitation to Diaspora Cinema: Seminar]

[Anthropology 110. Introduction to Social Anthropology](#)

[Anthropology 123. Environment and Environmentalism: Anthropological Perspectives: Conference Course](#)

[Anthropology 131. Hunter-Gatherers](#)

[Anthropology 136. Colonial Departures](#)

[*Anthropology 193. Social Suffering: An Introduction to Medical Anthropology](#)

[Anthropology 234. Postcoloniality and Ethnography]

[Anthropology 277. Development Dilemmas]

[*Comparative Literature 283. Language War: Seminar]

[Economics 2390b. Development Economics I: Microeconomic Issues](#)

[Economics 2390c. Development Economics II: Macroeconomic Issues](#)

[Economics 2390d. The Economic Growth and Development Workshop](#)

[*Economics 3390hf. Research in Economic Development](#)

[English 167p. Postcolonial Narratives](#)

[Ethiopic 120ar. Readings in Classical Ethiopic \(Ge'ez\) Texts I](#)

[Ethiopic 120br. Readings in Classical Ethiopic \(Ge'ez\) Texts II](#)

[*Ethiopic 300. Ethiopian Semitic Language and Literature](#)

[Folklore and Mythology 90b \(formerly Folklore and Mythology 115\). The African Oral Narrative Tradition: Seminar](#)

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

[French Cb. Intermediate French II: La Francophonie](#)

[French 27. Oral Expression I: Le Français parlé](#)

[French 42 \(formerly French 38b\). Introduction à la littérature francophone](#)

[French 70c. Introduction to French Literature III: The Francophone World](#)

[French 186. The Négritude Poets](#)

[French 188. Women Francophone Writers]

[French 189. Francophone Poetry and Drama]

[French 194. Francophone Film and Literature](#)

[*Freshman Seminar 33v. France's Racial Minorities of African Descent](#)

[*Freshman Seminar 45n. Explaining HIV/AIDS](#)

[*Freshman Seminar 47g. Genocide](#)

[*Government 1197 \(formerly *Government 90km\). The Political Economy of Africa](#)

[Government 2114. The Political Economy of Development]

[Government 2162. Perspectives on Political Economy](#)

[*Government 3007. Research Workshop in Political Economy](#)

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

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

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

[History 1902. Alcohol in Sub-Saharan Africa, 1850 to the Present: Conference Course]

[History 1903. History of Modern Africa, 1852-1994](#)

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

[History 1908. Rethinking Gender in African History: Conference Course](#)

[History 1911. A History of Southern Africa]



[History 1912. Health, Disease and Ecology in African History: Conference Course]
[History 1915. Christianity in Sub-Saharan Africa: Conference Course]
[History 1922. Protest, Rebellion and Power in East African History: Conference Course]
[History 2908. Sources, Methodology, and Themes in African History: Seminar](#)
[History of Science 180. Science, Medicine, and Imperialism](#)
[Literature and Arts B-27. Majesty and Mythology in African Art]
[Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World]
[*Music 178r. Performing Music]
[Religion 1017. New Religious Movements and Society: Conference Course]
[Religion 2040. Religion and Human Rights]
[Social Analysis 52. The Political Economy of Development](#)
[*Social Studies 98eq. Globalization From Underneath](#)
[*Social Studies 98ey. States in Africa](#)
[Swahili A. Elementary Swahili](#)
[Swahili 120ar. Readings in Swahili](#)
[Swahili 120br. Readings in Swahili](#)
[Visual and Environmental Studies 189r. \(Trans\)Cultural Cinema: Aesthetics, Ideology, and Cultural Difference in Nonfiction Filmmaking](#)

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*)
Steven C. Caton, Professor of Contemporary Arab Studies (*Acting Chair*)
Daniel S. Adler, Lecturer on Anthropology
Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology
John C. Barry, Lecturer on Anthropology
Theodore C. Bestor, Professor of Anthropology (*on leave fall term*)
David L. Carrasco, Neil L. Rudenstine Professor of the Study of Latin America in the Faculty of Divinity and the Faculty of Arts and Sciences
Jocelyne Cesari, Associate of the Center for Middle Eastern Studies, Visiting Associate Professor of Anthropology (*University of Aix-en-Provence, France*)
David J. Cohen, Lecturer on Anthropology
Rosemary Coombe, Visiting William Lyon Mackenzie King Professor of Canadian Studies



Paulette G. Curtis, Lecturer on Anthropology
 Peter T. Ellison, John Cowles Professor of Anthropology and Dean of the Graduate School of Arts and Sciences
 Michael Herzfeld, Professor of Anthropology
 Engseng Ho, Assistant Professor of Anthropology and of Social Studies
 Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology (FAS) and Professor of Psychiatry and Medical Anthropology (*Medical School*)
 Cheryl D. Knott, Assistant Professor of Anthropology
 Smita Lahiri, Assistant Professor of Anthropology
 C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology (*on leave fall term*)
 Steven A. LeBlanc, Senior Lecturer on Anthropology
 Daniel E. Lieberman, Professor of Anthropology
 Susan F. Lipson, Lecturer on Anthropology
 Theodore Macdonald, Lecturer on Anthropology
 Carole A. Mandryk, Lecturer on Anthropology
 Frank W. Marlowe, Associate Professor of Anthropology
 Leda L. Martins, Lecturer on Anthropology
 J. Lorand Matory, Professor of Anthropology and of African and African American Studies
 David H. P. Maybury-Lewis, Edward C. Henderson Professor of Anthropology
 Richard H. Meadow,
 John M. Norvell, Lecturer on Anthropology
 Steven R. Pendery, Visiting Lecturer on Anthropology
 Richard B. Penglase, Lecturer on Anthropology
 Pauline E. Peters, Lecturer on Anthropology
 David Pilbeam, Henry Ford II Professor of the Social Sciences
 Maryellen Ruvolo, Professor of Anthropology
 Lawrence E. Stager, Dorot Professor of the Archaeology of Israel (*on leave spring term*)
 Mary M. Steedly, Professor of Anthropology
 Karen Strassler, Lecturer on Anthropology
 David S. Stuart, Senior Lecturer on Anthropology
 Ajantha Subramanian, Assistant Professor of Anthropology and of Social Studies
 Hartmut Tschauner, Lecturer on Anthropology
 Noreen Tuross, Landon T. Clay Professor of Scientific Archaeology
 Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies
 Kay B. Warren, Visiting Professor of Anthropology (*fall term only*)
 James L. Watson, Harvard College Professor and John King and Wilma Cannon Fairbank Professor of Chinese Society (*on leave spring term*)
 Rubie S. Watson, Senior Lecturer on Anthropology (*on leave spring term*)
 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
Charles E. Rosenberg, Ernest E. Monrad Professor of the Social Sciences, Acting Department
Chair of the History of Science
Stanley J. Tambiah, Esther and Sidney Rabb 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 (individual) study of Peabody Museum collections directly supervised by a faculty member and a member of the curatorial staff. Requires a project involving a Harvard Museum collection, developed in consultation with the supervisors.

Note: Must be taken for a letter grade. Priority given to students in Anthropology and related departments. To enroll, *submit a petition form* (available from the Undergraduate Office, William James 352), signed by both supervisors, a proposed research agenda, during the term preceding the term of enrollment. Information sheets with Museum contacts available in William James 352.

***Anthropology 97x. Sophomore Tutorial in Archaeology**

Catalog Number: 0400

Daniel S. Adler

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

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

Richard B. Penglase

Half course (spring term). Tu., at 1.

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

Daniel S. Adler

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

Richard W. Wrangham

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 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 97a. Topics in Afro-American Cultures: West African Cultures**

[Afro-American Studies 140z. The Other African Americans]

[Afro-American Studies 141. 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]

Biological Sciences 50. Genetics and Genomics

Foreign Cultures 34. Mesoamerican Civilizations

Foreign Cultures 74. Cultures of Southern Europe

Foreign Cultures 84. Tokyo

[Indian Studies 117 (formerly *Indian Studies 216). Early History of South Asia]

***OEB 121a (formerly *Biology 121a). Advanced Structure and Physiology of the Vertebrates**

Religion 1001. Ethnographic Imaginations

Science B-27. Human Evolution

Science B-29. Evolution of Human Nature

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

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

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

Visual and Environmental Studies 189r. (Trans)Cultural Cinema: Aesthetics, Ideology, and Cultural Difference in Nonfiction Filmmaking

Women's Studies 1101 (formerly Women's Studies 110c). Borders and Betrayals: Engendering Cultural Identities



For Undergraduates and Graduates

Anthropology 100. Rediscovering Past Societies: A Survey of World Prehistory

Catalog Number: 7182

Daniel S. Adler and David J. Cohen

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

A survey of prehistoric societies, from the origins of humanity to the rise and fall of the first civilizations. We examine archaeological reconstructions of the major transitions in prehistory that lead to the modern world. Topics include: human evolution and dispersal across the globe, the origins of agriculture, and the ancient civilizations (e.g., Ancient Egypt, the Maya, the Mound-builders of North America). Laboratory sections give students opportunities to examine Peabody Museum archaeological collections.

Note: Open to freshmen.

Anthropology 101. Introduction to Archaeology

Catalog Number: 8727

Daniel S. Adler and Carole A. Mandryk

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

We are 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? The lecture/laboratory format integrates methods and theory to provide an overview of mapping, excavation strategy, stratigraphy, chronology, and analytic and interpretive techniques to reconstruct ancient diet, trade, and political systems. Peabody Museum collections 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 1, and a section to be arranged. EXAM GROUP: 15

Examines the ways forms of speaking can constitute cultural life and vice versa. A comprehensive overview of linguistic theories of structuralism and their criticism will form the basis on which to proceed to an ethnography of speaking in different societies. Topics will include: the structuralism of Ferdinand de Saussure; the Sapir-Whorf Relativity Hypothesis and its modern evocations; pragmatics; performativity; Bakhtinian dialogicality; and poetry and poetics.

Note: 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). Hours to be arranged.

Food is examined for its social and cultural implications; nutritional or dietetic concerns are of secondary interest. Topics include food taboos and restrictions, gift giving and reciprocity, food symbolism and social boundaries, food panics, globalization of food industries, and the world



standardization of food preferences. Examples are drawn from China, Japan, Korea, India, Latin America, Africa, Europe, the Pacific, and the United States.

Note: Expected to be given in 2004–05.

Anthropology 106. Primate Social Behavior

Catalog Number: 4332

Richard W. Wrangham

Half course (spring term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

A review of the behavioral interactions in natural primate populations, drawing on experimental, observational, and theoretical studies. Discussion of ecological, physiological, and developmental bases of primate social behavior, with special attention to the evolution of patterns of behavioral interactions among individuals of different age, sex, relatedness, and status. Topics include sexual conflict, sexual selection, and mating systems; care of offspring and other aid-giving; manipulative and cooperative aspects of communication; competition, dominance, and territoriality; and the evolution of social relationships.

Prerequisite: Introductory biology or Science B-29.

***Anthropology 107. Intoxicating Agents in Comparative and Historical Perspective: Seminar**

Catalog Number: 8923 Enrollment: Limited to 12.

Carole A. Mandryk

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

We examine relationships between humans and selected intoxicating agents from a variety of perspectives. Historical, political, economic, socio-cultural, psychological, and contextual approaches, as well as data from chemical, microbiological, isotopic, and archaeobotanical research, will contribute to a cross-cultural and interdisciplinary critical analysis of selected issues. Bi-weekly readings and discussions, with a final research paper and presentation.

Anthropology 108. Human Rights and Anthropology: Contextualizing Universals: Theory and Practice of Economic, Social, and Cultural Human Rights

Catalog Number: 8509

Theodore Macdonald

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

Introduces the nature and practice of economic, social, and cultural rights. Accepting that human rights must often be negotiated, the course illustrates why and how implementation of these prescriptive rights requires ethnographic research. Theory and case studies consider ethnic groups, minorities, development, land, natural resources, and participatory processes in developing States, where issues and debates now stand in high relief and demonstrate the need to interpret broad human rights instruments through specific field research.

Anthropology 109. Latin American Popular Culture: The Politics of Fun

Catalog Number: 6279

Richard B. Penglase

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

We examine a range of Latin American popular cultural forms: from ‘traditional’ dances such as tango and samba, to soap operas, Carnival, and other festivals, soccer, cooking, and Cuban and



Brazilian rap music. These everyday cultural productions are examined as a key site where Latin American national, racial, gender, and class identities are constructed, commodified, contested, and globally circulated. In addition to reading assignments, listening and viewing is also required.

Anthropology 110. Introduction to Social Anthropology

Catalog Number: 8296

Richard B. Penglase (fall term) and J. Lorand Matory (spring term)

Half course (fall term; repeated spring term). Fall: M., W., at 1; Spring: M., W., (F.), at 11.

EXAM GROUP: Fall: 6; 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). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

An introduction to the interaction between hormones and behavior, emphasizing research in primates, especially humans. General principles of endocrine physiology are presented. Next, the course focuses on sexual differentiation and the organizing and activation effects of hormones on the brain. Then we will explore the ecology of human reproduction, including the hormonal regulation of life history strategy, energy metabolism, mating, seasonality, and parental behavior. Delves into the hormones and the psyche.

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). Hours to be arranged.

An examination of human sexuality in evolutionary perspective. Topics 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: Expected to be given in 2004–05. Fulfills the research seminar requirement for anthropology concentrators.

Prerequisite: Science B-29 or permission of instructor.



[Anthropology 115. Primate Evolutionary Ecology: Research Seminar]

Catalog Number: 6341

Cheryl D. Knott

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

An exploration of interactions between primates and their environments in an evolutionary context. Lectures discuss the influence of ecological processes on primate behavioral and morphological adaptations. Topics include environmental influences on social structure, mating systems, ranging and intergroup spacing, diet and nutrition, juvenile development, and reproductive and energetic physiology. Comparisons between the great apes are emphasized. Projects will involve learning methods of primate observation, energetic analysis and ecological investigation to explore socioecological questions using local vertebrates.

Note: Expected to be given in 2004–05.

Prerequisite: An introductory course in Biology, 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 and a weekly laboratory either M. or W. 2-5. EXAM GROUP: 4

An introduction to laboratory techniques and research design in behavioral endocrinology. Students develop and conduct pilot research projects.

Note: Fulfills research seminar requirement for anthropology concentrators.

Prerequisite: Anthropology 111.

[Anthropology 120. Anthropology, Cultural Studies, and Film]

Catalog Number: 1522

Steven C. Caton

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

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: the culture industry, critical theory, the ethnographic gaze, media studies, modernity, nationalism, and transnationalism.

Note: Expected to be given in 2005–06. Open to non-majors. Graduate students may enroll and make arrangements for specialized readings and assignments.

Anthropology 121. Humans, Aliens, and Future Home Worlds: An Anthropologist Looks at Science Fiction

Catalog Number: 2300

Paulette G. Curtis

Half course (spring term). M., W., at 11; M., at 3; M., at 4; M., at 5; M., at 6; Tu., at 3; Tu., at 4; Tu., at 5; M., at 3; M., at 4; Tu., at 3; Tu., at 4; M., at 3; M., at 1. EXAM GROUP: 4

Science fiction is an entertaining, but also thought provoking, medium that examines attitudes, mores, ideals, and desires concerning culture and society. Through our analysis of largely American sci-fi novels, movies, and television series, we explore these major themes:



exploration and contact with ‘the alien’; earth invasions, interstellar battles, and other galactic military adventures; the culture and community of space travelers; robots, androids, and other near-humans; and the sci-fi fandom phenomenon.

Anthropology 123. Environment and Environmentalism: Anthropological Perspectives: Conference Course

Catalog Number: 0889 Enrollment: Limited to 25.

Pauline E. Peters

Half course (spring 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 125. Primate and Human Nutrition: Research Seminar

Catalog Number: 7064

Cheryl D. Knott

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

An introduction to laboratory study in the biochemical analysis of plant and animal foods, and of human and animal digestive physiology and feeding behavior. Topics include nutritional requirements, primate and human dietary adaptations and the nature of early hominid diets. Projects may include laboratory analyses of plant and animal foods, including samples collected from ongoing wild primate field projects or modern hunter/gatherer projects.

Anthropology 131. Hunter-Gatherers

Catalog Number: 5359

Frank W. Marlowe

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

The ethnographic literature on hunter-gatherers is examined from an evolutionary, ecological perspective. Cross-cultural variation in diet, foraging practices, technology, residence, reproduction, and cooperation are analyzed.

Anthropology 132. Anthropology of Religion

Catalog Number: 9598

Smita Lahiri

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

From its inception as a discipline addressing non-Western cultures, anthropology has examined the religious beliefs and practices of people who are “not us.” Yet the cross-cultural study of phenomena such as “ritual,” “sacrifice,” and the “sacred” also renders absolute distinctions between “us” and “them” untenable. At a time when religion is in resurgence from the Americas to Asia, Africa, and the Middle East, we survey the contribution of anthropology to understanding its complexity and resilience.



[Anthropology 133. From Lost Eden to Perfumed Nightmare: Themes in the Anthropology of the Philippines]

Catalog Number: 9492

Smita Lahiri

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

As a Southeast Asian nation with a history of double colonization by Spain and the US, the Philippines eludes easy categorization within anthropology's regionalist traditions. We use the Philippines to probe some of anthropology's blind spots, and as a springboard for analyzing hierarchy, political culture, religion, and performance through comparisons within and beyond Southeast Asia. Recent topical concerns in anthropology, such as nationalism, marginality, and globalization, will also be explored using Philippine materials.

Note: Expected to be given in 2004–05.

Anthropology 134. Race and Racism in Evolutionary Perspective

Catalog Number: 3916

Frank W. Marlowe

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

A cross-species and cross-cultural examination of the roots of group conflict and cooperation that today manifest themselves in human ethnocentrism, racism, and religious and class conflicts. To this end, human biological variation and its causes are surveyed, and the formation of ethnic groups investigated.

Anthropology 135. The Archaeology of the American Southwest

Catalog Number: 8755

Steven A. LeBlanc

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

Considers the prehistory of the American Southwest from Paleo-Indian 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. Some early ethnographies are also discussed.

Note: Open to upper-division and graduate students.

Anthropology 136. Colonial Departures

Catalog Number: 9540

Mary M. Steedly

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

Following World War II, the fabric of European empire in Asia and Africa began to unravel. Sometimes through revolutionary violence, others through peaceful negotiation, new nations declared themselves free of colonial domination. We examine colonialism's 20th century heyday, decline, and aftermath from an anthropological perspective, giving particular attention to local decolonizing practices and to the many forms the postcolonial condition may take.

Anthropology 137. Evolution and Human Behavior

Catalog Number: 6675



Frank W. Marlowe

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Human behavior is examined across modes of subsistence and in relation to other species. Topics include life history, optimal foraging, parental care, mating systems, cooperation, morality, social stratification, 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 (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An exploration of female behavior focusing on evolutionary, physiological, and biosocial aspects of women's lives from puberty, through reproductive processes such as pregnancy, birth, lactation, to menopause and aging. Also explores female life history strategies in different cultural settings. Topics include cognitive and behavioral differences between men and women; violence against women; and women's reproductive health choices. Examples are drawn from traditional and modern human societies and data from nonhuman primates are considered.

Anthropology 140. Origins of the Food We Eat

Catalog Number: 1837

Ofer Bar-Yosef and Richard H. Meadow

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

Evaluates ideas concerning the transition from hunting-gathering to agriculture and pastoralism in key areas (West Asia, East Asia, Latin America). Discusses the emergence of cultivation, adoption of plant foods, and domestication of animals. Considers mechanisms for the spread of foods across the world during pre- and early history as well as beginning ca 1500 AD. Discusses the "green revolution" and genetically modified foods, together with the impact of global warming on the future of agriculture.

Anthropology 142. Human Skeletal Growth and Function

Catalog Number: 6233

Daniel E. Lieberman

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

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. Topics include: muscle and skeletal development, anatomy, and histology; the biomechanics of muscles and bones; craniofacial growth and development; the functional morphology of chewing, respiration, vocalization, locomotion, and other activities.

Note: No prior knowledge of anatomy is required.

Prerequisite: Science B-27 recommended.

Anthropology 143. Latin America Through Its Social Movements: Conference Course

Catalog Number: 0333

Leda L. Martins

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

Latin American has been fertile ground for the appearance of various forms of collective action,



from indigenous movements in the Amazonian periphery to urban movements against sexual discrimination, poverty and violence. We analyze the main theories on new social movements and explore different cases of collective organization in Latin America on a variety of topics: environment, democracy, human rights, land, etc. We also develop a critical view of the study of social movements.

[Anthropology 153. Nationalism and Bureaucracy]

Catalog Number: 0291 Enrollment: Limited to 20.

Michael Herzfeld

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

Explores the ideological and practical foundations and effects of nationalism. Particular attention focused on how nationalism is reproduced by bureaucrats in daily practice, and how rituals of national identity are organized and invested with meaning. Cases include systems of taxation, historic conservation, health care, and immigration. This comparative course covers several different countries and systems, and is designed to highlight the contribution of ethnography to the analysis of national bureaucracies.

Note: Expected to be given in 2004–05.

Anthropology 154. The Archaeology of Ancient China

Catalog Number: 2057

David J. Cohen

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

Introduces major themes in Chinese archaeology from the Paleolithic through the Qin imperial unification in 221 BC, with special attention paid to the acquisition and maintenance of power during the late Neolithic and Bronze Age. Emphasis on the critical evaluation of current thinking and how the archaeological, historical, and ethnographic data have been interpreted to reconstruct greater political, social, economic, religious, and technological contexts.

Note: Required readings are in English. Graduate students may enroll and make arrangements for specialized readings and assignments.

Anthropology 155. Anthropology of Islam in Comparative Perspective

Catalog Number: 3837 Enrollment: Limited to 15.

Jocelyne Cesari (University of Aix-en-Provence, France)

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

This comparative course will analyze anthropological literature on Islam. It's aim is to clarify what is meant by Islam in the American context by comparing with research on Islam in other cultural and national arenas. Small scale events, such as preaching, ritual observance, and Islamic teaching will be considered as a step toward broadening knowledge and understanding of Islam and Muslim communities.

Anthropology 156. Religions of Mesoamerica

Catalog Number: 3698

David S. Stuart

Half course (fall term). M., W., at 2. EXAM GROUP: 7

Examines the religious traditions of ancient and modern Mesoamerican peoples (including the Aztec, Mixtec, Zapotec, Maya, Teotihuacan and Olmec), integrating archaeological, artistic,



documentary, and ethnographic source materials. Topics to be investigated include cosmology and world-view, sacred landscapes, divine rulership, shamanism, ancestor worship, public rituals and festivals, healing, among others, and how these topics were discussed and represented in ancient arts and literatures. The course will also study the religious consequences of Spanish domination as seen up to the present day.

Note: Offered jointly with the Divinity School as 3705.

Anthropology 157. Muslims in Multicultural America

Catalog Number: 9822

Jocelyne Cesari (University of Aix-en-Provence, France)

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

Describes the ethnic and religious variety of Islamic communities in America, immigrant and indigenous. Provide analyses of the ways in which both migrants and African American Muslims are maintaining or reactivating their cultural, ethnic and religious identity in a society in which prejudice and misunderstanding to Islam are widespread and longstanding.

Note: Offered jointly with the Divinity School as 3637.

***Anthropology 158. The Fossil Record and Primate Evolution: Research Seminar**

Catalog Number: 3509 Enrollment: Limited to 8.

John C. Barry

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

An introduction to the analysis of fossils and interpretation of the fossil record. Reading and discussion focuses on two topics: 1) the possibilities and limitations of the fossil record and 2) the origin and extinction of species, and the role of climate in shaping life's history. Students will have individual or group research projects.

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). Hours to be arranged.

Treats the ethnographic museum as a focus for historical and cultural study. By analyzing one early Peabody Museum collection, students will consider the different ways in which material culture is collected, housed, and exhibited. Readings and discussions include issues of art/artifact distinctions, ownership and display, and history of collecting. Students will be asked to work with objects in the Peabody Museum's collections and archival documentation.

Note: Expected to be given in 2005–06.

[Anthropology 160. Historical Archaeology]

Catalog Number: 7044

Steven R. Pendery

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

A survey of historical archaeology with a focus on the archaeology of greater Boston. Topics 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.

Note: Expected to be given in 2004–05.

Anthropology 161. Archaeological Field Methods

Catalog Number: 9450

Steven R. Pendery

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

A survey of field methods in northeastern North American prehistoric and historical archaeology. Topics include regional prehistory and historical archaeology, research design, remote sensing, surveying, archival research, soils and stratigraphy and artifact analysis.

Note: Excavation at the Longfellow National Historic site in Cambridge.

Anthropology 162. Geographic Information Systems (GIS) for Anthropologists

Catalog Number: 9087

Hartmut Tschauner

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

Introduces principles of geographic information systems as they apply to anthropological research. Students will learn how to use GIS hard- and software to collect, manage, and analyze spatial data, and how to apply GIS to a wide range of anthropological problems. Examples will be drawn from all subfields of anthropology, accomodating the specific interests of the students.

***Anthropology 163. Molecular Evolution of the Primates**

Catalog Number: 3359

Maryellen Ruvolo

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

Introduction to the primates, emphasizing their molecular evolutionary history and the forces that mold their genomes. Topics include the neutral theory of molecular evolution, molecular clock concept and its applications, evolution of multigene families, relationships between primate morphological and molecular evolution, molecular convergences, evidence for horizontal gene transfer in primate genomes, and evolution of simian and human immunodeficiency viruses, color vision genes.

Prerequisite: Biological Sciences 50.

Anthropology 166. Archaeological Science

Catalog Number: 2013

Carole A. Mandryk

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

Focus on physical science and engineering methods and techniques used by archaeologists in the reconstruction of time, space, and human paleoecology, and analysis of archaeological materials. Topics include 14C dating, ice core and palynological analysis, stable isotope chemistry of 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.

Prerequisite: One year of college-level chemistry or physics.



Anthropology 167. Public Archaeology

Catalog Number: 6376

Steven R. Pendery

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

Who owns the past, and who manages and presents it to us? Examines the history, ethics, legislation, and practice of public archaeology and cultural resource management (CRM). The role of government as well as non-governmental organizations will be considered. Topics include federal, tribal, state, and local archaeology, public education, site interpretation, site looting and illicit trade in artifacts. Archaeology wing faculty will present both Old and New World case studies.

[Anthropology 168. Anthropology at Home: Doing Fieldwork in Familiar Places]

Catalog Number: 2145

Mary M. Steedly

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

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? We explore the problems of and prospects for doing fieldwork in familiar places.

Note: Expected to be given in 2004–05.

Anthropology 169. Greece and Rome, the Modern Version

Catalog Number: 1883

Michael Herzfeld

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

Classical Greece and Rome are usually seen as the twin Classical founts of "Western Civilization." We examine the cultural and political implications of that premise through the lens of the modern cultures of both places and its consequences for their present inhabitants, as well as through uses made of the ancient and more recent past both there and around the world. Readings include ethnographies, historical, and political writings.

Anthropology 174. The Inkas

Catalog Number: 5311

Gary Urton

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

An introduction to the archaeology of the Inkas beginning with an overview of pre-Inka civilizations of Andean South America. Attempts to understand how the Inka integrated the varied peoples and resources of the Andes into a unified empire. Ends with an overview of the destruction and transformation of Inka society and culture under Spanish colonialism. Studies Inka materials in the Peabody Museum collection.

Anthropology 175. The Archaeology of Ethnicity

Catalog Number: 1022

Gary Urton



Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Ethnic identity and conflict are among the most powerful processes and relations shaping the world we live in today. Questions addressed include: What can we understand about ethnic identity and relations in the prehistoric world on the basis of the archaeological record? For example, how might differences in material culture represent and reflect markers of ethnic identity? The Peabody Museum collections will provide materials for study and analysis.

Anthropology 177. South American Archaeology

Catalog Number: 6996

Gary Urton

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

Provides an overview of Pre-Columbian civilizations on the continent of South America from the earliest record of human habitation to the time of the European invasion, in the sixteenth century. Focuses on the archaeology of the Amazon and Orinoco rivers, the Andes, and the Pacific coast of Peru and Chile. Extensive use will be made of the South American collections in the Peabody Museum.

Anthropology 178. Consuming Passions: Cultures of Materialism in Asia

Catalog Number: 1201

Smita Lahiri

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

How do objects tell the story of people's lives? How do historical relations of exchange constitute inter-community boundaries and communal identities? What can we read into the explosion of new consumer desires, opportunities and fantasies currently seen in the Asia-Pacific region? Anthropological ideas about "material culture" used to work through contemporary formations of national, gender, sexual, and ethnic identity, primarily but not exclusively in South and Southeast Asia.

[Anthropology 181r (formerly Anthropology 228r). Biology of Aggression]

Catalog Number: 6107

Richard W. Wrangham

Half course (spring 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.

Note: Expected to be given in 2004–05.

Anthropology 183. Comparative Liberation Theologies

Catalog Number: 6458

Ajantha Subramanian

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

Considers the role of religion as an idiom of social critique and a vehicle of social transformation. Offers a comparative perspective on religious consciousness, practice, and politics by comparing the grounds for the rise of faith-based social movements in different



cultural and historical contexts. Cases include: the mass conversion of Indian low castes to Christianity and Buddhism, Jamaican Rastafarianism, Catholic liberation theology in El Salvador, and the Islamic Revolution in Iran.

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; Th., at 6. EXAM GROUP: 13

Uses political anthropology to consider historical developments and regional circumstances that influenced relations between indigenous peoples and others in the Americas. Considers indigenous battles to resist assimilation and achieve limited autonomy in Mexico, Peru, Brazil, and the US. Concludes by showing how these issues are affected by the national agendas of American states and how the indigenous experience in the Americas relates to the problems and prospects of multiethnic societies worldwide.

[Anthropology 191. Current Topics in Palaeolithic Archaeology and Human Evolution]

Catalog Number: 8507

Daniel S. Adler

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

Selected topics include the evolution and expansion of *Homo erectus*, the rise and demise of Neanderthals, radiometric techniques, the emergence of Modern Humans, the shift to the Upper Palaeolithic, and the foraging strategies of hunter-gatherers.

Note: Expected to be given in 2004–05.

***Anthropology 192. Globalization and Food: Seminar**

Catalog Number: 7677

James L. Watson

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

A research seminar exploring historical and contemporary issues of globalization, taking food as the lens of analysis. Seminar participants will be assigned a specific commodity or food category for analysis and discussion. Each student will be expected to give a class presentation, attend weekly discussions, and write a research paper.

Note: Preference given to students who have taken Anthropology 105.

***Anthropology 193. Social Suffering: An Introduction to Medical Anthropology**

Catalog Number: 1330

Arthur Kleinman

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

Course considers social suffering as an entry point to the study of medical anthropology. It analyzes the AIDS pandemic, chronic illness and political violence, among other examples of suffering, and issues in medical anthropology, such as: the social and political roots of diseases and illness; the intersection of the individual body, the community and the state; patient narrations of pain, and how public policy and intervention aimed at alleviating suffering can actually intensify it.



***Anthropology 194r. The Hominid Fossil Record**

Catalog Number: 2462

David Pilbeam

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

A lecture-laboratory course on the fossil record of Hominidae, focusing on analysis and interpretation of the record based on casts.

Note: Fulfills the research seminar requirement for anthropology concentrators.

Prerequisite: Science B-27

Anthropology 199. Life On-line: Culture, Technology, and Democracy

Catalog Number: 2674

John M. Norvell

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

Do human interactions in cyberspace differ only in degree from non-virtual social spaces or has this technology created a truly novel cultural realm? Through recent ethnographic and critical writing on cyberspace, we will explore notions of community, the phenomenology of online experience, the politics and ethics of the Internet, the anthropology of technology, and ethnographic research methods. Reading and discussion will be complemented by student research on the Internet.

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 2004–05. Given in alternate years. Open to qualified undergraduates. Fulfills osteology requirement for archaeology graduate students.

Anthropology 202. Academia and Activism

Catalog Number: 6786

Leda L. Martins

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

Can scientific research produce social change? What are the benefits and problems in combining academia and activism? We examine the implications of producing knowledge aimed at social change. Contributions from different theoretical approaches and practical experiences are included.

***Anthropology 203. Human Genetic Diversity: Seminar**

Catalog Number: 0775

Maryellen Ruvolo

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

Note: Limited to biological anthropology graduate students with a genetics background.



***Anthropology 205a. History and Theory of Social Anthropology: Proseminar**

Catalog Number: 1752

J. Lorand Matory

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 PhD in Social Anthropology. Limited to and aimed at doctoral candidates. Not open to undergraduates.

Anthropology 205b. History and Theory of Social Anthropology: Proseminar

Catalog Number: 7971

Steven C. Caton

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

Continuation of Anthropology 205a.

Note: Limited to, and aimed at, 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 (fall term). Hours to be arranged.

Selected topics in Old World paleoanthropology. Topics include *Homo erectus* and modern human dispersions, Eurasian colonization, survival strategies of the Neanderthals and their demise, radiometric techniques, transition to Upper Paleolithic, strategies of past foragers.

***Anthropology 207. Archaeological Method and Theory: Seminar**

Catalog Number: 4634

C. C. Lamberg-Karlovsky

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

Examines historical development and philosophical basis of Anglo-American archaeological method and theory. Special attention given to current controversies including the processualist-postprocessualist debate and the future of archaeology in changing social and political climates.

Note: Required of students in the Archaeology Program of Anthropology; open to other graduate students and advanced undergraduates with permission of instructor.

Anthropology 210. Anthropology of Events

Catalog Number: 3939

Steven C. Caton

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

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.

[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 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.

Note: Expected to be given in 2004–05.

[Anthropology 212. Current Topics in Human Evolutionary Genetics]

Catalog Number: 1175

Maryellen Ruvolo

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

Critical reading of current literature on the genetics of living humans and discussion of evolutionary implications.

Note: Expected to be given in 2004–05. Open to undergraduates doing senior thesis research in this area.

Prerequisite: Biological Sciences 50

Anthropology 214 (formerly Anthropology 179). Ethnographic Encounters with Christianity

Catalog Number: 7267

Smita Lahiri

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

What are the challenges and rewards of studying Christianity anthropologically? Many of Christianity's global forms, e.g. Evangelicalism, "folk" Catholicisms, liberation theology, and heretical or unorthodox cults compared. Methodological and theoretical questions include the nature and experience of belief, the relationship of religion and secularism, Christianity's impact upon the history of anthropological thought and the issues involved in studying a religion associated as much with the West as with its Others.

[Anthropology 219. Cross-Cultural Evolutionary Analysis]

Catalog Number: 9639

Frank W. Marlowe

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

Cross-cultural variation in a broad range of traits, from kinship to mating systems to social stratification and warfare, will be analyzed using data from the Standard Cross-Cultural Sample and the Human Relations Area Files.

Note: Expected to be given in 2004–05. Open to graduate students and upper-division undergraduates in anthropology.

Anthropology 220. On Photography: Vision, Technology, and Modernity

Catalog Number: 2650

Karen Strassler

Half course (spring term). Tu., 5–7 p.m. EXAM GROUP: 18

Examines photography as a quintessentially modern technology, a particular mode of signification, and a social phenomenon. Readings include semiotic theories of the image, philosophies of photographic seeing, and historical and ethnographic accounts of photographic practices.



Anthropology 221. The Anthropology of Knowledge: Seminar

Catalog Number: 7070

Michael Herzfeld

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

Comparative exploration of local epistemologies from craft apprentices and skilled manual workers to schoolchildren and scientists, emphasizing the embodiment, inculcation, and transmission of practical knowledge and the relationships among cosmology, social context, and pragmatic understanding.

Anthropology 222. New Directions in Political Thought: The Islamic World in Asia

Catalog Number: 9042

Engseng Ho and Nur Yalman

Half course (spring term). Tu., 6–8 p.m. EXAM GROUP: 18

We examine the most recent developments concerning the political role of Islamic intellectuals in a number of key countries, including Turkey, Iran, Indonesia, Malaysia, Thailand, and others.

Anthropology 223. Mobility

Catalog Number: 6998

Engseng Ho

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

Seminar explores theories (e.g. Locke on portable property), vehicles (boats), travelers (pirates, pilgrims, migrants), media (books, money, gravestones, genealogies) to recognize the phenomenon of mobility and its consequences. Emphasizes external rather than internal social relations.

***Anthropology 226t. Research Design**

Catalog Number: 9193 Enrollment: Limited to 12.

Theodore C. Bestor

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

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: Limited to doctoral candidates, with preference given to advanced students in Anthropology.

[Anthropology 227. Archaeology of Mesopotamia and its Foreign Relations]

Catalog Number: 3869

C. C. Lamberg-Karlovsky

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

This seminar examines the core-periphery relations of Mesopotamia, the Iranian Plateau, the Indus Civilization, Central Asia and the Persian/Arabian Gulf.

Note: Expected to be given in 2004–05.

Anthropology 229. Behavioral Biology Seminar

Catalog Number: 3777



Frank W. Marlowe

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

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 230. The Hominoidea]

Catalog Number: 6555

David Pilbeam

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

A seminar on the hominoid primates focusing primarily on the fossil record but within genetical, morphological, and behavioral-ecological frameworks of the living apes.

Note: Expected to be given in 2005–06.

[Anthropology 234. Postcoloniality and Ethnography]

Catalog Number: 9404

Smita Lahiri

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

Close readings of ethnographic works on the postcolonial predicament in Asia, Latin America, and Africa. Prominent themes will include hybridity and creolization; social memory and forgetting; state power, hegemony, and subalternity; deterritorialization and locality.

Note: Expected to be given in 2004–05.

Anthropology 235ar. Laboratory Methods in Primate and Human Nutrition I

Catalog Number: 2187

Cheryl D. Knott

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

Independent laboratory study in the biochemical analysis of plant and animal foods, and of human and animal digestive physiology and feeding behavior.

Anthropology 235br. Laboratory Methods in Primate and Human Nutrition II

Catalog Number: 3292

Richard W. Wrangham

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 236. Current Topics in Primate Reproduction and Socioecology]

Catalog Number: 1335

Cheryl D. Knott

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

Critical reading and discussion of current research in primate reproductive ecology, socioecology, and behavior.

Note: Expected to be given in 2004–05. Primarily for doctoral students. Open to undergraduates with the permission of instructor.



***Anthropology 237br. Advanced Laboratory Methods in Human Endocrinology II**

Catalog Number: 5345

Susan F. Lipson

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

Note: Intended for students engaged in laboratory research on human endocrinology.

Anthropology 238. Reorienting Southeast Asia

Catalog Number: 7727

Mary M. Steedly and Smita Lahiri

Half course (fall term). Th., 5–7 p.m. EXAM GROUP: 18

Revisits some classic themes in Southeast Asian ethnography (e.g. “culture” and “charisma”) in the wake of the Asian financial crisis. Topics include: violence and criminality, technology and technocultural mediations, political predation and reform, (trans) local activisms.

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.

Note: Expected to be given in 2004–05.

Anthropology 241. Digital Archaeology: Computer and Spatial Technologies in Archaeological Research

Catalog Number: 9789

Hartmut Tschauer

Half course (fall term). W., 1–3 plus an hour of lab and 2 field excursions. EXAM GROUP: 6, 7

A hands-on introduction to computer and spatial technologies (GIS) in archaeological research. Guides students through the planning, field data collection, analysis, and presentation stages of a computerized archaeological project.

Note: Open to qualified undergraduates.

Prerequisite: Anthropology 162 or another introductory GIS course or permission of instructor.

Anthropology 245. Culture, Mental Illness, and the Body

Catalog Number: 6013

Byron J. Good (Medical School)

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

Briefly reviews the figure of mental illness in Western thought and the social sciences, then focuses on themes in cross-cultural studies of psychopathology: culture and diagnosis; cultural influences on depression, schizophrenia, and dissociation; madness in non-Euroamerican healing systems; and transnational aspects of psychiatry.



Anthropology 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 (spring term). Hours to be arranged.

Reviews the variety of anthropological perspectives on the interactions between culture and biology. Topics include mind-brain-society interaction in pain; cross-cultural studies of menopause; sociosomatics of depression; the new genetics and eugenics; research on stress and trauma.

Note: Expected to be given in 2005–06. Open to advanced undergraduates with permission of instructor.

[Anthropology 252. Introduction to Maya Hieroglyphs]

Catalog Number: 3684

David S. Stuart

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

Examines the pre-Hispanic literary traditions of several Mesoamerican cultures, including the Zapotec, Maya, and Aztec, and explores how historical and religious texts aid in understanding their nature and development. Emphasizes recent advances in the decipherment and interpretation of ancient Maya inscriptions, providing a basic reading knowledge of the script through exercises and case studies. Broader issues addressed include the social and political contexts of writing systems and the uses and limits of textual data in archaeological interpretation.

Note: Expected to be given in 2004–05.

[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. Special attention given to the conceptualization of subjectivity in studies of illness experience and suffering, medicine and the biosciences, institutions and governmentality, and responses to trauma and violence.

Note: Expected to be given in 2004–05.

[Anthropology 257g. Anthropological Interviewing]

Catalog Number: 5768 Enrollment: Limited to 15.



Byron J. Good (Medical School)

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

Provides theoretical grounding and practical supervision in ethnographic interviewing. Addresses life history and interview design, developing and managing intimacy, recognizing transference and counter transference, recording and transcribing data, and textual analysis.

Note: Expected to be given in 2004–05.

Anthropology 258. What is a Disease? History and Ethnography

Catalog Number: 5622

Arthur Kleinman and Charles E. Rosenberg

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

Advanced graduate seminar concerned with anthropological, historical, and other critical social science accounts of medical classification and disease diagnosis. Contrasts global medical science with indigenous ethnomedical systems and popular lay interpretations based on cultural, religious, and moral categories.

Anthropology 261. Intellectual Property, Human Rights, and Development

Catalog Number: 7717

Rosemary Coombe

Half course (fall term). Tu., 2:30–4:30. EXAM GROUP: 16, 17, 18

Explores the changing role of intellectual property in the international trade, environmental and human rights legal frameworks and the potential for using intellectual property to achieve development objectives.

[Anthropology 263. Globalization and Culture]

Catalog Number: 5127

James L. Watson

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

Examines recent theories of transnationalism and globalism, with emphasis on popular culture (music, TV, entertainment, food systems, etc.). Focus on debates regarding cultural imperialism and the effects of transnational corporations on “local” cultures.

Note: Expected to be given in 2005–06.

[Anthropology 264. Anthropology and the Uses of History]

Catalog Number: 9103

Michael Herzfeld

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

Examines political and social uses of history, especially nationalism, opposition to state power, and local perspectives that ordinarily escape “official” historians. Gender, political affiliation, and status are examined for impact on interpretations of the past.

Note: Expected to be given in 2004–05. Given in alternate years. May count for graduate ethnography.

Anthropology 266r (formerly Anthropology 266br). Materials in Ancient Societies: Metals

Catalog Number: 7163

Richard H. Meadow



Half course (fall term; repeated spring term). Fall: M., 1–4; W., 1–5; Spring: Tu., 1–4; W., 1–5.

EXAM GROUP: Fall: 6, 7, 8; Spring: 15, 16, 17

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: Open to senior undergraduates with permission of instructor.

Anthropology 267r. Current Issues in Reproductive Ecology

Catalog Number: 3717

Peter T. Ellison

Half course (fall term; repeated spring term). F., 2–3:30. EXAM GROUP: 7, 8

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.

Intensive, critical review of major ethnographies, exploring the relationship between society and personhood, examining ethnographic writing and its relation to other genres (including biography); and tracing anthropological theory through changes in descriptive and analytic practice.

Note: Expected to be given in 2004–05. Given in alternate years.

[*Anthropology 271r. Practicum in Foreign-Language Ethnography]

Catalog Number: 9856

Michael Herzfeld and members of the Department

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

Readings in ethnographic and related theoretical works written in a selected foreign language; discussion, class presentations, and final papers will be in that language also.

Note: Expected to be given in 2004–05. Primarily for doctoral students.

[Anthropology 276. New Ethnographies in the Anthropology of Social Experience]

Catalog Number: 5029

Arthur Kleinman

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

New ethnographies of social experience and subjectivity are remaking anthropology. Students critically examine studies of illness, violence, and cultural responses to other human problems. Emphasis is on the methodology, writing, and ethics of such ethnographies.

Note: Expected to be given in 2004–05. Open to advanced undergraduates.

[Anthropology 277. Development Dilemmas]

Catalog Number: 8724

Pauline E. Peters

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



Discusses theories and practices of development, under-development, and anti-development; explores approaches of sustainable, participatory, and green development, and examples of resistance and reappropriation of development. The emphasis is on the cultural politics of development encounters.

Note: Expected to be given in 2004–05.

Anthropology 279. Migration and Seasonality

Catalog Number: 6878

Noreen Tuross

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

Examines ways of assessing migration and seasonality in the archaeological record including geochemical and hydrological proxies.

[Anthropology 280. Culture]

Catalog Number: 1114

Mary M. Steedly

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

“Culture” is one of anthropology’s key concepts, but there has never been agreement as to the term’s meaning. We tour the work of culture’s key theorists. Is culture still a useful concept in anthropological analysis?

Note: Expected to be given in 2004–05.

Anthropology 281. National Identities, New Mediations, and the Place of the Public

Catalog Number: 1516

Rosemary Coombe

Half course (spring term). Th., 3–5. 1st meeting, W., Feb. 4, 3-5 in WJH 1550. EXAM GROUP: 17, 18

Explores the ways in which accelerated global cultural flows shaped by digital communications, increased migration, and free trade are reshaping Canada’s sense of identity as a multicultural nation, the role of the state, and the nature of ‘the public’.

[Anthropology 283. Culture and Citizenship]

Catalog Number: 4769

Ajantha Subramanian

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

Considers the dynamics of differentiated citizenship in postcolonial nation-states. Challenges the concept of the abstract citizen by tracing the ways that race, religion, region, and language have mediated particular histories of citizenship.

Note: Expected to be given in 2004–05.

***Anthropology 288r. Zooarchaeology: Seminar**

Catalog Number: 5453

Richard H. Meadow

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

Topics relating to the analysis and interpretation of faunal remains from archaeological sites covered. The domains of taphonomy, assemblage characterization, quantification, environmental



and dietary reconstruction, and human/nonhuman animal interaction, and genetic studies considered using case studies.

Note: Given in alternate years. Does not fulfill laboratory requirement for Archaeology graduate students.

Anthropology 289. Ethnographics of Violence

Catalog Number: 2538

Kay B. Warren

Half course (fall term). Tu., 6–8 p.m. EXAM GROUP: 18

Critical reading of contemporary ethnographies of and the social theory they appropriate and generate. Includes works by Das, Aretxaga, Daniel, Mamdani, Hinton, Nordstrom, Tambiah, Caldeira, Jackson, Warren, and others.

Note: Limited to graduate students.

***Anthropology 290 (formerly Anthropology 182). Other Others: New Ethnographic Orientations: Seminar**

Catalog Number: 4205

Mary M. Steedly

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

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”. Through close readings of recent ethnographies, we will explore a variety of new orientations through which anthropologists are moving beyond the primitive.

Note: Open to advanced undergraduates and graduate students.

***Anthropology 292. Japanese Urbanism**

Catalog Number: 9559

Theodore C. Bestor

Half course (spring term). M., at 3. EXAM GROUP: 8

A research seminar on selected topics in the anthropological analysis of Japanese urban culture and society.

Anthropology 293. Racial Formation in Latin America

Catalog Number: 1942

John M. Norvell

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

Explores the social and cultural dynamics of racial formation in the wake of Latin American colonization and slavery. Readings include ethnographic and historical analysis and theoretical material on race, ethnicity, identity, nationalism, and related concepts.

***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

James L. Watson

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

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.

Note: Expected to be given in 2004–05. Limited to graduate students.

Graduate Courses of Reading and Research

***Anthropology 300. Reading Course**

Catalog Number: 3454

Members of the Department

Special reading in selected topics under the direction of members of the Department.

Note: Consult the appropriate member of the Department.

***Anthropology 301. Reading for General Examination**

Catalog Number: 5689

Members of the Department

Individual reading in preparation for the General Examination for the PhD degree.

Note: Restricted to candidates for the PhD degree and ordinarily to those who have completed at least one year in residence.

***Anthropology 302. Current Issues in Biological Anthropology**

Catalog Number: 9373

David Pilbeam 7224, Peter T. Ellison 7413, Daniel E. Lieberman 3980, Frank W. Marlowe 757, Maryellen Ruvolo 2512, Richard W. Wrangham 2349 and members of the Department

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

Weekly seminars in biological anthropology.

***Anthropology 303. Readings on Southeast Asia**

Catalog Number: 7935

Stanley J. Tambiah 4692

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

***Anthropology 304. Contemporary Issues in Political and Legal Anthropology**

Catalog Number: 8365

Rosemary Coombe 4759

Half course (fall term; repeated spring term). F., 2–4.



***Anthropology 305. Experimental Methods in Biological Anthropology**

Catalog Number: 9602

Daniel E. Lieberman 3980

***Anthropology 311. Methods and Theory in Archaeology**

Catalog Number: 5440

Ofer Bar-Yosef 1887, C. C. Lamberg-Karlovsky 2387 (on leave fall term), Carole A. Mandryk 1037, and Richard H. Meadow 1572

***Anthropology 320. Advanced Biological Anthropology: Laboratory and Theses**

Catalog Number: 2092

John C. Barry 1892, Irvén DeVore 1041, Peter T. Ellison 7413, Cheryl D. Knott 3717, Daniel E. 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, C. C. Lamberg-Karlovsky 2387 (on leave fall term), and Richard H. Meadow 1572

***Anthropology 324. Asiatic Archaeology and Ethnography**

Catalog Number: 5398

C. C. Lamberg-Karlovsky 2387 (on leave fall term), Lawrence E. Stager 1468 (on leave spring term), 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, C. C. Lamberg-Karlovsky 2387 (on leave fall term), and Nur Yalman 3780

***Anthropology 330. Supervised Field Work in Anthropology**

Catalog Number: 5683

Members of the Department

General instruction in field methods and practice in the various divisions of anthropology, including archaeology, ethnography, and physical anthropology. Instructional personnel and location of course vary with the research program of the staff. Lectures, conferences, field and laboratory work.

Note: May be taken by graduate students for academic credit, but since it is tuition-free, does not count for residence credit leading to reduced tuition. Open to students with adequate previous training in the subject.

***Anthropology 340. Reading and Research**

Catalog Number: 6699



Ofer Bar-Yosef 1887 (spring term only), John C. Barry 1892, Theodore C. Bestor 2292 (on leave fall term), Steven C. Caton 2307, David J. Cohen 4778 (fall term only), Rosemary Coombe 4759, Paulette G. Curtis 4474, Peter T. Ellison 7413, William L. Fash 1512, Byron J. Good (Medical School) 7648, Michael Herzfeld 3122, Engseng Ho 3094, Arthur Kleinman 7473, Cheryl D. Knott 3717, C. C. Lamberg-Karlovsky 2387 (on leave fall term), Daniel E. Lieberman 3980, Carole A. Mandryk 1037, Frank W. Marlowe 757, Leda L. Martins 4817, J. Lorand Matory 3098, David H. P. Maybury-Lewis 2391, Richard H. Meadow 1572, Sally F. Moore 7225, John M. Norvell 4813 (fall term only), Richard B. Penglase 4780 (spring term only), Pauline E. Peters 2911, David Pilbeam 7224, Maryellen Ruvolo 2512, Mary M. Steedly 2783, David S. Stuart 3559, Ajantha Subramanian 4618, Stanley J. Tambiah 4692, Kay B. Warren 2388, James L. Watson 2172 (on leave spring term), Rubie S. Watson 3326 (on leave spring term), 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.

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*) (on leave spring term)

William H. Bossert, David B. Arnold, Jr. Professor of Science (on leave fall term)

Michael P. Brenner, Gordon McKay Professor of Applied Mathematics and Applied Physics (on leave 2004-05)

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science

Daniel S. Fisher, Professor of Physics and Professor of Applied Physics (on leave 2003-04)

Anthony A. Harkin, Post-Doctoral Fellow in Applied Mathematics, Lecturer on Applied Mathematics

John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics, Associate of Pforzheimer House, Associate Dean for Academic Programs in the Division of Engineering and Applied Sciences (on leave fall term)

Navin Khaneja, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

Amala K. Mahadevan, Visiting Associate Professor of Applied Mathematics (*Boston University*)

L. Mahadevan, Gordon McKay Professor of Applied Mathematics and Mechanics



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*)

Alan W. Rempel, Lecturer on Applied Mathematics

James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics (*on leave fall term*)

Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics

Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics

Other Faculty Offering Instruction in Applied Mathematics

Jeremy Bloxham, Harvard College Professor and Professor of Geophysics

Allan R. Robinson, Gordon McKay Research Professor of Geophysical Fluid Dynamics

Aravinthan D. T. Samuel, Assistant Professor of Physics

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 course programs at the undergraduate level may be obtained from the Academic Office, Pierce Hall 110. 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 110. Many additional courses of interest to applied mathematicians can be found in the Computer Science, Engineering Sciences, Mathematics, and Statistics sections of the catalog.

Primarily for Undergraduates

Applied Mathematics 21a. Mathematical Methods in the Sciences

Catalog Number: 6395

Jeremy Bloxham and Amala K. Mahadevan (Boston University)

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

Prerequisite: Mathematics 1b or equivalent.

Applied Mathematics 21b. Mathematical Methods in the Sciences

Catalog Number: 5074

Jeremy Bloxham and Amala K. Mahadevan (Boston University)

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 PA/FL basis. Students engaged in preparation of a senior thesis ordinarily should take Applied Mathematics 99r instead.

Note: May be taken as a half course in either term; normally may not be taken for more than two terms. Applications may be obtained at Pierce Hall 110. Students should consult their advisers and concentration literature for further information and guidance. Applications must be signed by the student, by the faculty member supervising the project (who will 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 the writing of a senior thesis. Graded on a SAT/UNS 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. Applications may be obtained at Pierce Hall 110. Students should consult their advisers and concentration literature for further information and guidance.

For Undergraduates and Graduates

Applied Mathematics 105a. Complex and Fourier Analysis

Catalog Number: 7732

Aravinthan D. T. Samuel and Benjamin Davidovitch

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

Functions of a complex variable: mapping, integration, branch cuts, series. Fourier series; Fourier and Laplace transforms; transforms applied to differential equations and data analysis; convolution and correlation; elementary probability theory.

Note: Applied Mathematics 105a and 105b are independent courses, and may be taken in any



order.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b.

Applied Mathematics 105b. Ordinary and Partial Differential Equations

Catalog Number: 6316

James R. Rice and Anthony A. Harkin

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

Roger W. Brockett

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

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

Leslie G. Valiant

Half course (spring term). Tu., Th., 10–11:30 with one one-hour section weekly. 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

Alan W. Rempel

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.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b. Ability to program in some high-level computer language.



Applied Mathematics 115. Mathematical Modeling

Catalog Number: 1768

Michael P. Brenner and William H. Bossert

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

Abstracting the essential components and mechanisms from a natural system to produce a mathematical model, which can be analyzed with a variety of formal mathematical methods, is perhaps the most important, but least understood, task in applied mathematics. This course approaches a number of problems without the prejudice of trying to apply a particular method of solution. Topics drawn from mechanics, biology, economics and the behavioral sciences.

Prerequisite: Mathematics at least at the level of Applied Mathematics 21a,b. Additional skills in analysis, algebra, probability, statistics and computer programming will increase the value of the course to students.

Applied Mathematics 120. Applicable Linear Algebra

Catalog Number: 4378

Donald G. M. Anderson

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

An algorithmic approach to topics in matrix theory which arise frequently in applied mathematics: linear equations, pseudoinverses, quadratic forms, eigenvalues and singular values, linear inequalities and optimization, linear differential and difference equations.

Note: Expected to be omitted in 2004–05. Given 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.

Note: Expected to be given in 2004–05.

Prerequisite: Mathematics 21a and 21b, or Applied Mathematics 21a and 21b.

Cross-listed Courses

MCB 111. Mathematics in Biology

Primarily for Graduates

Applied Mathematics 201. Physical Mathematics I

Catalog Number: 3241

Michael P. Brenner

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

Introduction to methods for developing accurate approximate solutions for problems in the



physical sciences that cannot be solved exactly. Topics include: Complex function theory, approximate solution of integrals, algebraic equations, and nonlinear differential equations.
Prerequisite: Applied Mathematics 105a, b or equivalent.

Applied Mathematics 202. Physical Mathematics II

Catalog Number: 6559

Benjamin Davidovitch

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.

Prerequisite: Applied Mathematics 105a and 105b, or equivalent.

Applied Mathematics 203r. Nonlinear Dynamics and Chaos

Catalog Number: 6336

Eli Tziperman

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

Basic concepts of nonlinear physics, dynamical system theory, and chaos, demonstrated using simple model systems, ODEs, discrete maps, and examples from applications. Analytical and geometrical methods for both experimental and model nonlinear systems.

Prerequisite: Knowledge of ordinary differential equations.

[Applied Mathematics 205. Practical Scientific Computing]

Catalog Number: 1370

William H. Bossert

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

Computational methods at a sophisticated analytic level. Practical exercises emphasized. A wide range of topics from linear algebra to Fourier analysis will be covered.

Note: Expected to be given in 2004–05.

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 2004–05. Given 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 2004–05. Given in alternate years.

Prerequisite: Applied Mathematics 105a and 105b; Applied Mathematics 111 and 120 would be helpful but are not required. Ability to program in 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 2004–05. Given in alternate years.

Prerequisite: Applied Mathematics 211, or equivalent.

Applied Mathematics 299r. Special Topics in Applied Mathematics

Catalog Number: 5798

John W. Hutchinson

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

Supervision of experimental or theoretical research on acceptable applied mathematics problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the Division. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Applied Mathematics 311,312. Numerical Mathematics and Scientific Computing**

Catalog Number: 7333,6118

Donald G. M. Anderson 1061 (on leave spring term)

***Applied Mathematics 315,316. Stochastic Processes, Dynamical Systems, Applied Differential Geometry**

Catalog Number: 2458,2459

Roger W. Brockett 3001

***Applied Mathematics 317,318. Special Topics in Physical Mathematics**

Catalog Number: 9160,2166

Michael P. Brenner 4101 (on leave 2004-05)



***Applied Mathematics 319,320. Topics in Continuum Mechanics and Biological Physics**

Catalog Number: 2084,4567

L. Mahadevan 4758

***Applied Mathematics 321,322. Biological Applications of Mathematics and Automatic Computers**

Catalog Number: 7615,4243

William H. Bossert 1049 (on leave fall term)

***Applied Mathematics 331,332. Theoretical Mechanics in the Earth and Engineering Sciences**

Catalog Number: 0112,0251

James R. Rice 7270 (on leave fall term)

***Applied Mathematics 333,334. Dynamics of the Ocean; Interdisciplinary Modeling; Geophysical Fluid Dynamics**

Catalog Number: 4947,4948

Allan R. Robinson 2133

***Applied Mathematics 341,342. Applied Probability and Statistical Inference, Classical and Quantum Information Theory**

Catalog Number: 0970,6033

Navin Khaneja 4192

Applied Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Division of Engineering and Applied Sciences Offering Instruction in Applied Physics

Michael J. Aziz, Gordon McKay Professor of Materials Science *(on leave spring term)*

Michael P. Brenner, Gordon McKay Professor of Applied Mathematics and Applied Physics *(on leave 2004-05)*

Federico Capasso, Robert L. Wallace Professor of Applied Physics

Daniel S. Fisher, Professor of Physics and Professor of Applied Physics *(on leave 2003-04)*

Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science *(on leave spring term)*

Jene A. Golovchenko, Gordon McKay Professor of Applied Physics and Professor of Physics

Lene V. Hau, Gordon McKay Professor of Applied Physics and Professor of 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

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 (*on leave 2003-04*)

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 (*on leave 2004-05*)

Alfred A. Pandiscio, Senior Lecturer on Electronics on the Gordon McKay Endowment, Head of Instructional Laboratories in the Division of Engineering and Applied Sciences

Peter S. Pershan, Frank B. Baird, Jr. Professor of Science (*on leave spring term*)

James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics (*on leave fall term*)

Frans A. Spaepen, John C. and Helen F. Franklin Professor of Applied Physics

Howard A. Stone, Harvard College Professor and Gordon McKay Professor of Chemical Engineering and Applied Mechanics (*on leave spring term*)

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

Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics

David A. Weitz, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave 2004-05*)

Robert M. Westervelt, Mallinckrodt Professor of Applied Physics and of Physics

Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)

Other Faculty Offering Instruction in Applied Physics

Assa Auerbach, Visiting Professor of Physics (*Technion, Israel Institute of Technology*)

Henry Ehrenreich, Clowes Research Professor of Science

R. Victor Jones, Robert L. Wallace Research Professor of Applied Physics

Allan R. Robinson, Gordon McKay Research Professor of Geophysical Fluid Dynamics

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. 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



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: Expected to be given in 2004–05. Designed as a first course in solid state physics for students with knowledge of elementary quantum mechanics (Physics 143a). Some knowledge of statistical physics (Physics 181) is also helpful, but not a formal prerequisite. Students who propose to take Applied Physics 295a in the spring term, and who have not previously taken a formal course in solid state physics, are strongly advised to take this course first. Students may wish to take Physics 195, whose content is very similar, when this course is bracketed.

Cross-Listed Courses

[Chemistry 167. Surface and Interfacial Phenomena](#)

[Earth and Planetary Sciences 131. Introduction to Physical Oceanography](#)

Primarily for Graduates

Additional courses of interest to graduate students in Applied Physics include: Applied Mathematics 203r, Engineering Sciences 220, 225r, 240, 241, 242r, 246, 247, and 274.

[Applied Physics 216. Modern Optics and Quantum Electronics]

Catalog Number: 4691

Lene V. Hau

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

Optical systems and lasers have recently revolutionized both 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. Frequency metrology.

Note: Expected to be given in 2004–05.

Prerequisite: Graduate level class in electromagnetism/electrodynamics: Physics 232a, for example.

[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: Expected to be given in 2004–05. Students may wish to take Physics 265 when this course is bracketed.

Prerequisite: Graduate level class in electromagnetism/electrodynamics (Physics 232a for example) and one term 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 283. Physics of Semiconductors and Semiconductor Devices]

Catalog Number: 9632

Half course (spring term). M., W., 8:30–10. EXAM GROUP: 1, 2

Principles of semiconductor electronic structure, carrier transport properties, and optoelectronic properties relevant to semiconductor device physics. Performance aspects of basic and advanced semiconductor devices. Exposition of device physics fundamentals and discussion of important semiconductor devices.

Note: Expected to be given in 2004–05.

Applied Physics 284. Statistical Thermodynamics

Catalog Number: 2257

Assa Auerbach (Technion, Israel Institute of Technology)

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.

Note: Students may wish to take Physics 262 when this course is bracketed.

Prerequisite: Ordinarily, Physics 143a,b and Physics 181 or Engineering Sciences 181.

Applied Physics 291. Electron Microscopy Laboratory

Catalog Number: 1761 Enrollment: Limited to 12.

Warren J. Moberlychan

Half course (spring term). M., 10–12 and a laboratory to be arranged. EXAM GROUP: 3, 4

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: Primarily for graduate students planning to use materials analysis in their research.

[Applied Physics 292. Kinetics of Condensed Phase Processes]

Catalog Number: 3733

Michael J. Aziz

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



Kinetic principles underlying atomic motions, transformations, and other atomic transport processes in condensed phases. 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.

Note: Expected to be given in 2004–05.

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., at 1. EXAM GROUP: 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

David R. Nelson

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

Electrical, thermal, magnetic and optical properties of solids discussed and treated based on statistical mechanics and quantum mechanical models using mostly single electron approximations. Metals, semiconductors, and insulators covered. Connections between theory and experiment 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

David R. Nelson

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, Physics 251a & 251b, or permission of instructor.



[Applied Physics 296r. Superconductivity]

Catalog Number: 0219

Michael Tinkham

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

Introduction to theoretical and applied superconductivity. Topics include BCS microscopic theory, Ginzburg-Landau phenomenological theory, type I and II superconductors, Josephson effect, fluctuation effects, 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 2004–05.

Applied Physics 298r. Materials Chemistry and Physics: Seminar

Catalog Number: 7500

David A. Weitz and members of the Faculty

Half course (spring term). M., W., 12–1:30. EXAM GROUP: 5, 6

Materials-related topics chosen from: Structure and self-assembly; Mechanical Properties; Surfaces and Interfaces; Biomaterials; Synthesis and Fabrication; Characterization Techniques; Soft materials, Complex Fluids. Each chosen topic is discussed in about five didactic lectures.

Note: Suitable for graduate students with undergraduate concentrations in chemistry, engineering, or physics having present or potential research interests in this field. A paper and oral presentation on two of the principal topics under discussion assigned. 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.

Applied Physics 299r. Special Topics in Applied Physics

Catalog Number: 2103

Venkatesh Narayanamurti

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

Supervision of experimental or theoretical research on acceptable applied physics problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the Division. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Cross-Listed Courses

Physics 232a. Advanced Electromagnetism

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Applied Physics 325,326. Optics with Cold Atoms**

Catalog Number: 0488,7669

Lene V. Hau 2151



***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

***Applied Physics 333,334. Condensed Matter and X-Ray Physics**

Catalog Number: 1033,6126

Jene A. Golovchenko 1986

***Applied Physics 335,336. Theoretical Study of the Structure and Electronic Properties of Nanoscale Materials and Biological Macromolecules**

Catalog Number: 7902,7903

Efthimios Kaxiras 3050 (on leave 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

***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 (on leave fall term)

***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 (on leave 2003-04)



***Applied Physics 355,356. Special Topics in Theoretical Engineering**

Catalog Number: 4864,9197

Michael P. Brenner 4101 (on leave 2004-05)

***Applied Physics 359,360. Quantum Optics and Molecular Physics**

Catalog Number: 5760,3525

Eric Mazur 7952 (on leave 2003-04)

***Applied Physics 361,362. Photonics, Quantum Devices and Nanostructures**

Catalog Number: 9431,9506

Federico Capasso 4571

***Applied Physics 363,364. Experimental Soft Condensed Matter Physics**

Catalog Number: 8975,7242

David A. Weitz 2497 (on leave 2004-05)

***Applied Physics 365,366. Experimental Condensed Matter: Ballistic Transport in Semiconductors, Nanostructures, and Tunneling Microscopy**

Catalog Number: 9195,0425

Venkatesh Narayanamurti 5445

***Applied Physics 367,368. Topics on Condensed Matter Physics**

Catalog Number: 6975,4173

David R. Nelson 5066 (on leave 2004-05)

***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 (on leave spring term) 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 (on leave spring term)

***Applied Physics 385,386. Dynamics of the Ocean; Interdisciplinary Modeling; Geophysical Fluid Dynamics**

Catalog Number: 2878,2879

Allan R. Robinson 2133

***Applied Physics 387,388. Climate Dynamics and Physical Oceanography**

Catalog Number: 3549,8599

Eli Tziperman 4748



***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 (on leave spring term)

***Applied Physics 395,396. Topics in Materials Science**

Catalog Number: 4012,5003

Michael J. Aziz 1337 (on leave spring term)

***Applied Physics 397,398. Materials Science**

Catalog Number: 4266,5010

Frans A. Spaepen 4991

Archaeology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Archaeology

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology (*Chair*) (*on leave fall term*)

Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art

Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages

Richard H. Meadow,

Lawrence E. Stager, Dorot Professor of the Archaeology of Israel (*on leave spring term*)

Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies

Irene J. Winter, William Dorr Boardman Professor of Fine Arts (*on leave 2003-04*)

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.

Some of the courses listed in the following departments may deal either directly or indirectly with the study of archaeology. These departments include: Anthropology, The Classics, History of Art and Architecture, Near Eastern Languages and Civilizations, and Religion.

Asian Studies Programs

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Council on Asian Studies

Dwight H. Perkins, Harold Hitchings Burbank Professor of Political Economy (*Chair*) (*on leave fall term*)

William P. Alford, Henry L. Stimson Professor of Law (*Law School*)

Theodore C. Bestor, Professor of Anthropology (*on leave fall term*)

Homi K. Bhabha, Anne F. Rothenberg Professor of English and American Literature and Language

Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations

Harold Bolitho, Professor of Japanese History (*on leave spring term*)

Sugata Bose, Gardiner Professor of Oceanic History and Affairs

James K.M. Cheng, Librarian of the Harvard-Yenching Library

Diana L. Eck, Professor of Comparative Religion and Indian Studies (*on leave spring term*)

Carter J. Eckert, Professor of Korean History

Andrew Gordon, Lee and Juliet Folger Fund Professor of History

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)

William C. Hsiao, K. T. Li Professor of Economics (*Public Health*)

Wilt Lukas Idema, Professor of Chinese Literature

Akira Iriye, Charles Warren Professor of American History, Department Chair of History

Wesley M. Jacobsen, Professor of the Practice of the Japanese Language (*on leave 2003-04*)

Devesh Kapur, Frederick S. Danziger Associate Professor of Government

William C. Kirby, Edith and Benjamin Geisinger Professor of History and Dean of the Faculty of Arts and Sciences

Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology (*FAS*) and Professor of Psychiatry and Medical Anthropology (*Medical School*)

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 fall term*)
 Wai-ye Li, Professor of Chinese Literature
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science,
 Department Chair of Government
 David McCann, Korea Foundation Professor of Korean Literature (*on leave spring term*)
 Michael B. McElroy, Gilbert Butler Professor of Environmental Studies (*on leave spring term*)
 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
 Elizabeth J. Perry, Henry Rosovsky Professor of Government
 Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics
 Michael James Puett, Professor of Chinese History
 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
 Harvard Design School (*Design School*)
 Jay Rubin, Takashima Professor of Japanese Humanities
 Anthony Saich, Daewoo Professor of International Affairs (*Kennedy School*)
 Mary M. Steedly, Professor of Anthropology
 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, Harvard College Professor and John King and Wilma Cannon Fairbank
 Professor of Chinese Society (*on leave spring term*)
 Martin K. Whyte, Professor of Sociology

The Council on Asian Studies was created by resolutions of the Faculty of Arts and Sciences of April 12, 1972, and April 25, 2001. It exists to coordinate, advise, and promote teaching and research on Asia. It is comprised of faculty members from different departments of the FAS and from several schools of the University who study East-, Southeast-, South-, and Inner Asia. It oversees or advises several academic programs mentioned below, and it provides faculty oversight to the Harvard University Asia Center.

The AM program in Regional Studies—East Asia and the PhD program in History and East Asian Languages are supervised by the Council and are described below.

The AB Concentration in East Asian Studies is advised and supported by the Council, and is described under East Asian Languages and Civilizations. Courses on East Asian languages, early history, literature, and thought are listed under East Asian Languages and Civilizations.

Programs in South Asian Studies and in Inner Asian and Altaic Studies are advised and supported by the Council and are listed separately in the catalog.

Other courses in Asian Studies are listed under the Core Curriculum, Anthropology, Economics, History of Art and Architecture, 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 and student research; publishes books and journals; funds research and travel grants to undergraduate and graduate students; administers Harvard's National Resource Center for East Asian Studies, and manages the competition for Title VI Foreign Language and Area Studies Fellowships for graduate and professional students. The Center publishes a bi-weekly calendar of events during the Academic Year. The Center's main office is located in Coolidge Hall, on the third floor.

Faculty of the Standing Committee on the AM in Regional Studies–East Asia

Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History (*Chair*)
David McCann, Korea Foundation Professor of Korean Literature (*Acting Chair, fall term*) (*on leave spring term*)
Mikael Adolphson, Associate Professor of Japanese History
Daniel V. Botsman, Associate Professor of History
Eileen Cheng-yin Chow, Assistant Professor of Chinese Literary and Cultural Studies
Edwin A. Cranston, Professor of Japanese Literature
Carter J. Eckert, Professor of Korean History
Mark C. Elliott, Professor of Chinese and Inner Asian History

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 9 Kirkland Place, Cambridge, 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, Charles H. Carswell Professor of East Asian Languages and Civilizations
Harold Bolitho, Professor of Japanese History (*on leave spring term*)
Carter J. Eckert, Professor of Korean History
Mark C. Elliott, Professor of Chinese and Inner Asian History
Andrew Gordon, Lee and Juliet Folger Fund Professor of 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

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: Limited 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 and others

Designed to allow students to develop previous research or a previously written paper into the AM thesis, under the direction of an appropriate faculty advisor.

Note: Limited to students affiliated with the Regional Studies-East Asia program. Counts as course credit, but not towards the basic course requirements for the degree.

Astronomy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Astronomy

Lars Hernquist, Professor of Astronomy (*Chair*)

Raymond Blundell, Lecturer on Astronomy

Alexander Dalgarno, Phillips Professor of Astronomy

Thomas M. Dame, Lecturer on Astronomy

Ralph H. Donnelly, Lecturer on Astronomy, Teaching Assistant in Astronomy

Daniel G. Fabricant, Lecturer on Astronomy

Bryan M. Gaensler, Assistant Professor of Astronomy (*Head Tutor*)



Alyssa A. Goodman, Professor of Astronomy
 Lincoln Jared Greenhill, Lecturer on Astronomy
 Jonathan E. Grindlay, Paine Professor of Practical Astronomy
 Paul T. P. Ho, Lecturer on Astronomy
 John P. Huchra, Robert O. and Holly Thomis Doyle Professor of Cosmology
 Scott J. Kenyon, Lecturer on Astronomy
 Kate Kirby, Lecturer on Astronomy
 Robert P. Kirshner, Clowes Professor of Science
 Christopher S. Kochanek, Lecturer on Astronomy
 Myron Lecar, Lecturer on Astronomy
 Abraham Loeb, Professor of Astronomy
 Jeffrey E. McClintock, Lecturer on Astronomy
 James M. Moran, Donald H. Menzel Professor of Astrophysics
 Stephen S. Murray, Lecturer on Astronomy
 Ramesh Narayan, Thomas Dudley Cabot Professor of the Natural Sciences
 Robert W. Noyes, Professor of Astronomy (*on leave 2003-04*)
 Mark J. Reid, 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
 Irwin I. Shapiro, Timken University Professor
 Patrick O. Slane, Lecturer on Astronomy
 Krzysztof Z. Stanek, Assistant Professor of Astronomy
 Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy and Professor of Applied Physics
 David J. Wilner, Lecturer on Astronomy
 Matias Zaldarriaga, Associate Professor of Astronomy and of Physics
 Qizhou Zhang, Lecturer on Astronomy

Astronomy 1, 2, and Science A-35, A-36, A-47 provide a variety of approaches toward introducing the substance of astronomy and astrophysics to interested students. They are aimed at nonconcentrators with curiosity about the contents of the universe and its underlying organization. None of these courses presumes a knowledge of algebra more extensive than that used in a high school physics course. Astronomy 16 is aimed at freshman (and others) who are taking (or have taken) Physics 15a and are considering the concentration. Astronomy 97hf (the Introductory Tutorial) is open to sophomores and freshmen who are taking (or have taken) Physics 15a or the equivalent and are considering the concentration or a combined concentration. Astronomy 98hf and 99, Junior and Senior Tutorials, are intended for concentrators in Astronomy and Astrophysics, but are open in special cases to concentrators in other physical sciences. They provide an opportunity for close contact with the faculty and often result in significant research experience. Astronomy 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

Abraham Loeb and Ralph H. Donnelly

Half course (spring term). M., W., at 9. EXAM GROUP: 2

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. 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 (fall term). Tu., 11:30–1:30, Tu., 7–10 p.m. EXAM GROUP: 13, 14

Never be lost again! Find your way on sea, land, or air by employing celestial and terrestrial techniques. Acquire expertise in using navigators' tools (sextant, compass, and charts) while learning the steps to the celestial dance of the Sun, Moon, stars, and planets. This 107-year-old course continues to rely on practical skills and collaborative problem-solving, while utilizing historical artifacts (instruments, maps, captains' logs) and student-built devices.

Note: Minimum lecturing; predominantly practical laboratory activities with individual attention from teaching staff. Math beyond high school trigonometry and geometry unnecessary. Some familiarity with sailing and/or astronomy is helpful.

Astronomy 16. Stars and Gas in the Milky Way

Catalog Number: 8813

Bryan M. Gaensler

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

Introduction to the fundamental astronomical principles underlying the behavior of stars and of interstellar gas. Basic physical concepts used to develop an understanding of stellar composition, evolution and dynamics, and of the structure of our Milky Way. Involves a significant experimental component, involving photometry and spectroscopy of individual stars and clusters using the Knowles Telescope at the Science Center, and measurement of Galactic rotation using the CfA millimeter telescope.

Prerequisite: Physics 15a, may be taken concurrently.

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, the interstellar medium, cosmology, and an opportunity to observe.

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

Matias Zaldarriaga 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 Physics 15a or advanced placement) 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

Abraham Loeb and members of the Department

Half course (throughout the year). F., 2–4. EXAM GROUP: 7, 8

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

Abraham Loeb and members of the Department

Full course. Hours to be arranged.

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](#)
[\[Science A-47. Cosmic Connections\]](#)

For Undergraduates and Graduates

[*Astronomy 135. Planetary System Astronomy]

Catalog Number: 4850

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. 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); solar magnetic activity and its influence on the Earth and planets; planets orbiting other stars; and the possibilities of habitable environments in other planetary systems.

Note: Expected to be given in 2004–05.

Prerequisite: Physics 15a, b, c, or Physics 11a, b, and permission of the instructor.

[Astronomy 145. Topics in Astrophysics](#)

Catalog Number: 0212

Ramesh Narayan

Half course (spring term). M., W., 9:30–11. EXAM GROUP: 2, 3

Discussion of a wide range of astrophysical systems, focusing on physical processes. Topics include: structure and properties of stars like the Sun; energy generation and element formation in stars; star formation; stellar death, white dwarfs, neutron stars, black holes; supernovae and supernova remnants; the Big Bang; structure and evolution of the expanding Universe; the cosmic microwave background.

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.

Patrick Thaddeus and Jonathan E. Grindlay

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

Laboratory and observational projects in astrophysics. Students choose two projects from a selection including: measurement of the cosmic microwave background radiation, molecules in interstellar clouds, the rotation of the galaxy, radio galaxies with the VLA, stars and clusters with



the Knowles Telescope; and laboratory experiments including super-conducting submillimeter detectors, x-ray CCDs, and hard x-ray imaging detectors and telescopes.

Note: Primarily for concentrators in Astronomy and Astrophysics or combined concentrators with Physics. Students with Physics as their primary concentration, but with a serious interest in astrophysics, may take this to satisfy their laboratory requirement (in lieu of Physics 191) upon petition to the Head Tutor in Physics.

Prerequisite: Physics 15c or equivalent.

[Astronomy 192. Tools and Techniques of Astronomical Measurements]

Catalog Number: 4741

Irwin I. Shapiro and Krzysztof Z. Stanek

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

Presentation of physical principles and techniques used for detection across the frequency domain of both electromagnetic and gravitational radiation. Description and analysis of the corresponding tools used for detection, including telescopes and basic instrumentation, present and (near-term) future. Discussion of different types of measurements—intensity, imaging, spectroscopic, polarimetric, astrometric, and interferometric—throughout the electromagnetic spectrum, including related parameter estimation and error analyses.

Note: Expected to be given in 2004–05.

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 2004–05.

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 graduate core course are Astronomy 150, 201a & b and 202a & b, while a wide range of advanced courses is available for further work. Courses may be available as reading courses at times other than those



shown, by arrangement with the instructor. Graduate students in Astronomy are required to take one graduate Physics course selected from Physics 210 or 251a (or Astronomy 251). More advanced Physics courses may be substituted upon petition to the Committee on Academic Studies.

Astronomy 200hf. Seminar in Modern Astrophysics and Cosmology

Catalog Number: 8574

Krzysztof Z. Stanek

Half course (throughout the year). W., at 3. EXAM GROUP: 8

Graduate seminar on topical areas in modern astrophysics and cosmology. Each term a different topic of current special interest is selected. Participants in this seminar discuss papers given by seminar members (in rotation). Several faculty members also participate.

Note: Participation for two terms is required to obtain credit

[Astronomy 201a. Stellar and Planetary Astrophysics]

Catalog Number: 4303

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

Stars are studied as (1) elementary (baryonic) building blocks of the Universe, and (2) main source of the evolution of matter (nucleosynthesis). Planetary systems are studied in terms of the stellar environments for their formation and survival; planets around other stars are compared to Solar system planets.

Note: Expected to be given in 2004–05.

[Astronomy 201b. Interstellar Medium and Star Formation]

Catalog Number: 4206

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

Nature of the Interstellar Medium, throughout density-temperature parameter space. Processes leading to the formation of stars and planets, and the impact of star formation on the ISM. Exchange between galactic material and the intergalactic medium.

Note: Expected to be given in 2004–05.

Astronomy 202a. Galaxies and Dynamics

Catalog Number: 8237

John P. Huchra and Matias Zaldarriaga

Half course (fall term). Tu., Th., 9:30–11. EXAM GROUP: 11, 12

An observational and theoretical overview of extragalactic astronomy with emphasis on dynamics. The cosmological framework, galaxy morphology and structure, galactic dynamics, galactic content, gas dynamics, galaxy formation and evolution, galaxy populations and properties and clustering.

Astronomy 202b (formerly Astronomy 207). Cosmology

Catalog Number: 2446

Lars Hernquist

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

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 218. Radio Astronomy

Catalog Number: 2883

James M. Moran

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

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 and observational techniques. Accretion onto compact stars (white dwarfs, neutron stars, black holes); active galactic nuclei, galaxy clusters. Gamma-ray bursts and cosmic rays. X-ray and gamma-ray background.

Note: Expected to be given in 2004–05.

[Astronomy 225. Formation of Stars and Planets]

Catalog Number: 0983

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.

Note: Expected to be given in 2004–05.

[Astronomy 251. Quantum Mechanics for Astrophysics]

Catalog Number: 5381

Kate Kirby

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

Quantum mechanics with applications to atomic and molecular processes important in astronomical environments. Atomic and molecular structure; spectroscopy (selection rules, oscillator strengths, photoionization); scattering theory (elastic, inelastic, approximate methods); line broadening; collision processes (cross sections, rate coefficients) involving electrons, ions, atoms and molecules.

Note: Expected to be given in 2004–05.

Prerequisite: Physics 143a or the equivalent, or permission of instructor.



Cross-listed Courses

[Applied Mathematics 205. Practical Scientific Computing]

[Physics 210. General Theory of Relativity](#)

[Physics 251a. Advanced Quantum Mechanics I](#)

Graduate Courses of Reading and Research

Unless otherwise specified, these courses are given fall term, repeated spring term.

***Astronomy 300. Topics in Modern Astrophysics**

Catalog Number: 7915

Raymond Blundell 2753, Alexander Dalgarno 1157, Thomas M. Dame 2755, Daniel G. Fabricant 3711, Bryan M. Gaensler 4493, Alyssa A. Goodman 3348, Lincoln Jared Greenhill 4490, Jonathan E. Grindlay 4593, Lars Hernquist 4250, Paul T. P. Ho 7532, John P. Huchra 6271, Scott J. Kenyon 1648, Robert P. Kirshner 1071, Christopher S. Kochanek 3108, Myron Lecar 1026, Abraham Loeb 3349, Jeffrey E. McClintock 2108, James M. Moran 4090, Stephen S. Murray 3707, Ramesh Narayan 2871, Robert W. Noyes 1651 (on leave 2003-04), Mark J. Reid 3858, George B. Rybicki 3734, Dimitar D. Sasselov 1020, Irwin I. Shapiro 7660, Patrick O. Slane 4838, Krzysztof Z. Stanek 3906, Patrick Thaddeus 1398, David J. Wilner 2855, Matias Zaldarriaga 4603, and Qizhou Zhang 4477

A seminar, reading, or research course may be arranged with any of the faculty listed. Students can also arrange to obtain Astronomy 300 credit for reading or research with scientific staff members of the Harvard-Smithsonian Center for Astrophysics; consult Astronomy Department office.

***Astronomy 302. Scientists Teaching Science**

Catalog Number: 9869

Philip M. Sadler 2231

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

Learn the secrets of lecturing well, leading discussions, connecting to real-world applications, and creating tests in any scientific discipline as we focus on relevant educational research and case studies, plus engage in practical classroom activities.

Note: Open to graduate students in all areas of science and uses activities to draw upon research findings from the life, earth, and physical sciences.

Prerequisite: Experience as an instructor of science or as a teaching fellow.

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, Department Chair of Molecular and Cellular Biology (*Chair*) (*on leave 2004-05*)

Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology

John E. Dowling, Harvard College Professor and Gordon and Llura Gund Professor of Neurosciences

Catherine Dulac, Professor of Molecular and Cellular Biology (*on leave 2004-05*)

Florian Engert, Assistant Professor in 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

Rachelle Gaudet, Assistant Professor of Molecular and Cellular Biology

William M. Gelbart, Professor of Molecular and Cellular Biology, Associate of Dunster House (*Head Tutor, Biology*) (*on leave 2004-05*)

Guido Guidotti, Higgins Professor of Biochemistry

J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences

Craig P. Hunter, Associate Professor of Molecular and Cellular Biology (*on leave spring term*)

David Jeruzalmi, Assistant Professor of Molecular and Cellular Biology

Nancy Kleckner, Herchel Smith Professor of Molecular Biology

Jeremy R. Knowles, Harvard University Distinguished Service Professor and Amory Houghton Professor of Chemistry and Biochemistry

Samuel M. Kunes, Professor of Molecular and Cellular Biology

Richard M. Losick, Harvard College Professor and Maria Moors Cabot Professor of Biology (*Head Tutor, Biochemical Sciences*)

Robert A. Lue, Senior Lecturer on Molecular and Cellular Biology (*Director of Undergraduate Studies in Biological Sciences*)

Tom Maniatis, Thomas H. Lee Professor of Molecular and Cellular Biology (*on leave 2003-04*)

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 (*on leave 2003-04*)

Venkatesh N. Murthy, Morris Kahn Associate Professor of Molecular and Cellular Biology

Axel Nohturfft, Assistant Professor of Molecular and Cellular Biology

Elizabeth J. Robertson, Herchel Smith Professor of Molecular Genetics (*on leave fall term*)

Jack L. Strominger, Higgins Professor of Biochemistry (*on leave spring term*)

Alain Viel, Senior Lecturer on Molecular and Cellular Biology

James C. Wang, Mallinckrodt Professor of Biochemistry and Molecular Biology (*on leave fall term*)

Associate Members of the Department of Molecular and Cellular Biology

Stephen C. Blacklow, Assistant Professor of Pathology (*Medical School*)

Hidde Ploegh, Mallinckrodt Professor of Immunopathology and Professor of Pathology (*Medical*)



School) (on leave 2004-05)

Stuart L. Schreiber, Morris Loeb Professor of Chemistry and Chemical Biology
Gregory L. Verdine, Harvard College Professor and Erving 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 (*on leave 2003-04*)
Kenneth J. Boss, Professor of Biology
Colleen M. Cavanaugh, Edward C. Jeffrey Professor of Biology
Kathleen Donohue, Assistant Professor of Biology
Jacques Dumais, Assistant Professor of Organismic and Evolutionary Biology
Brian D. Farrell, Professor of Biology
David R. Foster, Senior Lecturer on Biology
Gonzalo Giribet, Assistant Professor of Biology
David A. Haig, Professor of Organismic and Evolutionary Biology (*on leave spring term*)
James Hanken, Professor of Biology and Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology
Daniel L. Hartl, Higgins Professor of Biology
N. Michele Holbrook, Charles Bullard Professor of Forestry (*on leave spring term*)
Farish A. Jenkins, Jr., Professor of Biology (*FAS*) and Professor of Anatomy in the Harvard-MIT Division of Health Sciences and Technology (*Medical School*)
Andrew H. Knoll, Fisher Professor of Natural History and Professor of Earth and Planetary Sciences (*on leave spring term*)
Elena M. Kramer, 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
Charles R. Marshall, Professor of Biology and of Geology
James J. McCarthy, Alexander Agassiz Professor of Biological Oceanography in the Museum of Comparative Zoology
Paul R. Moorcroft, Assistant Professor of Biology
Martin A. Nowak, Professor of Mathematics and of Biology
Donald H. Pfister, Asa Gray Professor of Systematic Botany
Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology
John R. Wakeley, Thomas D. Cabot Associate Professor of Organismic and Evolutionary Biology
Robert M. Woollacott, Professor of Biology

Other Faculty Offering Instruction in Biological Sciences

William H. Bossert, David B. Arnold, Jr. Professor of Science (*on leave fall term*)
Daniel Branton, Higgins Research Professor of Biology
Charles A. Czeisler, Professor of Medicine (*Medical School*)
Walter Gilbert, Carl M. Loeb University Research Professor
Marc D. Hauser, Harvard College Professor and Professor of Psychology



Arthur L. Lage, Associate Professor of Veterinary Medicine (*Medical School*)
Daniel E. Lieberman, Professor of Anthropology
Ralph Mitchell, Gordon McKay Professor of Applied Biology (*on leave spring term*)
Maryellen Ruvolo, Professor of Anthropology
Richard W. Wrangham, Ruth Moore Professor of Biological Anthropology

The courses designated Biological Sciences are jointly organized by the departments of Molecular and Cellular Biology and Organismic and Evolutionary Biology. The courses designated as MCB are the responsibility of the department of Molecular and Cellular Biology. The courses designated OEB are the responsibility of the department of Organismic and Evolutionary Biology. The Head Tutor for the Biochemical Sciences concentration is Richard M. Losick. 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, William Fixsen (*fall term*) and Daniel L. Hartl, Maryellen Ruvolo (*spring term*)

Half course (fall term; repeated spring term). M., W., F., at 12, and three hours of laboratory/discussion weekly. 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. This course, when taken for a letter grade, meets the Core area requirement for Science B.

Biological Sciences 51. 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 weekly. 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. This course, when taken for a letter grade, meets the Core area requirement for Science B.

Biological Sciences 52. Introductory Molecular Biology

Catalog Number: 1938

Richard M. Losick



Half course (fall term). M., W., F., at 10, and a weekly laboratory/discussion session. 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.

Note: Chemistry 17 may be taken concurrently. This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Chemistry 17 or 20.

Biological Sciences 53. Evolution, Diversity and History of Life

Catalog Number: 3342

John R. Wakeley, Gonzalo Giribet, and Donald H. Pfister

Half course (spring term). Tu., Th., at 10 and a weekly three-hour lab. EXAM GROUP: 12

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

Prerequisite: BS 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 one laboratory/discussion 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: Laboratory and discussion sessions focus on problem-solving and evaluation of data. A series of linked laboratory exercises provides exposure to several techniques commonly used in cell biology. This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Chemistry 17 or 20.

Biological Sciences 55 (formerly Biology 19). Ecology: Populations, Communities, and Ecosystems

Catalog Number: 3365

William H. Bossert and Paul R. Moorcroft

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, stability and function, and resource management.

Prerequisite: Mathematics 1 and prior biology experience.

Biological Sciences 56. Biochemistry and Physical Properties of Macromolecules

Catalog Number: 5424

Howard C. Berg, Rachelle Gaudet, Guido Guidotti, David Jeruzalmi, Nancy Kleckner, and Tom Maniatis

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

An introduction to the structure and function of macromolecules from the perspective of their physical properties. Topics include protein and nucleic acid structure; enzyme kinetics and mechanisms, with examples from intermediary metabolism; spectroscopic analysis; chemical equilibria and thermodynamic properties; behavior of macromolecules in solution, including random walks; macromolecular mechanics.

Prerequisite: BS 52 and BS 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). Tu., Th., at 10; evening movie section to be arranged; ninety minutes of discussion section weekly. EXAM GROUP: 12

A review of the behavior of animals under natural conditions, with emphasis on both mechanistic and evolutionary approaches. Topics include classical ethology; behavioral endocrinology; behavioral genetics; learning and memory; communication; orientation, migration and biological rhythms; optimization and evolutionary stable strategies; parental investment and mating systems; selfishness, altruism, and reciprocity; and sociality in vertebrates and invertebrates.

Prerequisite: BS 50, 51, 53 or equivalent, or permission of instructor.

Biological Sciences 80. Behavioral Neuroscience

Catalog Number: 6052

John E. Dowling

Half course (spring term). 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.

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

Biochemical Sciences Concentration Tutorials

***Biochemical Sciences 91r. Introduction to Research**

Catalog Number: 6083



Richard M. Losick 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: Limited 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

Richard M. Losick 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.

Biology Concentration Tutorials

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 terms of introductory biology.



***Biology 95hfa. Biology to Die For: Apoptosis in Health and Disease**

Catalog Number: 2052

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***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. The Genetics and Genomics of Speciation**

Catalog Number: 2935

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfd. Problem Solving in Neuroscience: An Interactive Case-Based Online Network (ICON)**

Catalog Number: 3437

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfe. Biology of Infection: Host, Pathogens and the Global Threat**

Catalog Number: 4021

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hff. Games Parasites Play: The Cellular and Molecular Biology of Host/Parasite Interactions**

Catalog Number: 5745

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfg. Biodiversity: Science, Policy, and Law**

Catalog Number: 4576

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfh. Constructing a Phenotype through Regulation of the Genome**

Catalog Number: 4969

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfi. Sex: Everything You Ever Wanted to Know About It and Then Some**

Catalog Number: 9859

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.



***Biology 95hfj. Neurophysiology of Primate Visual Attention and Memory**

Catalog Number: 6361

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfk. Neurobiology of Disease**

Catalog Number: 7431

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

Biology 95hfl. The Vertebrate Retina: A Window to Brain Development and Degeneration

Catalog Number: 1649

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

Biology 95hfz. Conservation, Nature, and Biodiversity

Catalog Number: 7025

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: Graded Sat/Unsat 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 term 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 term. The thesis proposal form is available in the Biology Undergraduate Office.

Note: 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 term 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

MCB 100. Experimental Molecular and Cellular Biology

Catalog Number: 2122

Alain Viel and members of the Department

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

A laboratory course that immerses students in a dynamic project-based research environment. Participate in experimental projects directly linked with ongoing faculty research covering a broad range of methodologies in microbiology, molecular and cellular biology, and biochemistry. In a highly collaborative atmosphere, students form a fully-functional research group based on the sharing of ideas and progress reports between projects.

Note: Aside from a weekly 2-hour meeting, students determine their own research schedule and have access to the teaching laboratory throughout the week. Open to sophomores, juniors, and seniors, and suitable for students either with or without extensive laboratory experience.

Prerequisite: BS 50 or permission of the instructor.

MCB 105. Systems Neuroscience

Catalog Number: 0998

Florian Engert

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

Activity dependent modulation of neuronal connections will be explored in the context of learning, memory, and development of the nervous system. Special emphasis is placed on conditioning in invertebrates and mammals, processing of information in the mammalian hippocampus and visual system, and the activity dependent development of neural networks in culture and in vivo.

Prerequisite: BS 80.

**MCB 111. Mathematics in Biology**

Catalog Number: 6444

*Markus Meister**Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4*

The objective is to foster a quantitative understanding of biological phenomena using the language of mathematics, beginning with data acquisition and analysis; the formulation and refinement of simple models; the interplay between computational, analytical and conceptual approaches; and the framing of quantitative questions and predictions. Specific topics include: probability and statistics; analysis of functions and transforms; linear algebra; dynamical systems such as oscillators, stochastic processes, and pattern formation. Each will be motivated by problems from current biological research.

Prerequisite: Calculus at the level of Mathematics 1b. Some previous exposure to statistics, linear algebra and vector calculus would be useful.

MCB 115. Cellular Basis of Neuronal Function

Catalog Number: 8703 Enrollment: Limited to 25.

*Venkatesh N. Murthy**Half course (fall term). W., F., 2–3:30. EXAM GROUP: 7, 8*

Cellular processes involved in the function of neurons will be explored, with emphasis on biophysical and cell biological approaches. Topics include excitable membranes, intracellular membrane trafficking, cytoskeletal dynamics, synaptic transmission, dendritic integration, and synaptic plasticity.

[MCB 116. Experimental Embryology]

Catalog Number: 1207 Enrollment: Limited to 24.

*Douglas A. Melton and Andrew P. McMahon**Half course (fall term). Hours to be arranged.*

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: Expected to be given in 2004–05. Laboratory course primarily for advanced undergraduates and graduate students.

Prerequisite: BS 52, or BS 54, or MCB 118 or their equivalents.

MCB 117. Experimental Neuroscience

Catalog Number: 3175 Enrollment: Limited to 16.

*Markus Meister and members of the Faculty**Half course (fall term). Tu., Th., 2–5. EXAM GROUP: 16, 17*

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 80.

MCB 118. Developmental Biology

Catalog Number: 0749

Andrew P. McMahon

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 discuss how the basic body plan of an embryo is created and how the adult organism are maintained and repaired. Emphasis is placed on experimental approaches at the molecular, genetic and cellular levels.

Prerequisite: BS 52 and BS 54, or permission of the instructor.

MCB 120. Cell Cycle Control and Genome Stability

Catalog Number: 3069 Enrollment: Limited to 20.

Matthew Michael

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

Covers the molecular biology and biochemistry of the cell cycle, with an emphasis on mechanisms that maintain genome stability. Explores how DNA replication, DNA repair, and cell cycle checkpoint pathways are integrated so that the repair of damaged DNA is coordinated with chromosomal duplication and cell cycle progression. Other aspects of the cell cycle control, such as entrance into and progression through mitosis, also covered. Consists of lectures, and readings from the primary literature.

Prerequisite: BS 52 and 54.

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

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 are drawn from protein biochemistry, lipid metabolism, membrane biology, and mineral balance. Lectures and discussions of scientific papers.

Prerequisite: BS 52 and BS 54 or permission of the instructor.

MCB 125. Stem Cells and Cloning

Catalog Number: 5481

Douglas A. Melton

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

An advanced course in developmental biology. Embryonic and adult stem cells in different organisms will be examined in terms of their molecular, cellular and potential therapeutic properties. Genetic reprogramming by nuclear transfer and cloning animals will be critically evaluated. Current findings will be considered in a historical context; ethical and political considerations will not be ignored.

Prerequisite: BS 52 and BS 54, or permission of the instructor. MCB 118 is an ideal preparation.



***MCB 129. Molecular Genetics of Neural Development and Behavior**

Catalog Number: 8956 Enrollment: Limited to 20.

Samuel M. Kunes

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

A lecture and discussion course on the development of the nervous system and the relationship between genes and behavior. Topics include neural differentiation and cell identity, cell birth and death, axon guidance and synaptic specificity, behavioral genetics. Emphasis on critical evaluation of readings from the primary literature, experimental design and scientific writing.

Prerequisite: Permission of the instructor.

MCB 140. Introduction to Biophysics

Catalog Number: 9736 Enrollment: Limited to 40.

Howard C. Berg and Aravinthan D. T. Samuel

Half course (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: 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 52 and BS 80.

***MCB 142. Major Advances in the Classical and Molecular Genetics**

Catalog Number: 7948 Enrollment: Limited to 20.

Matthew Meselson

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

Critical reading and group discussion of selected papers in classical and molecular genetics. Readings, problem sets, and two assigned essays, at mid-term and after reading period.

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



Our goal is for students to gain a fundamental understanding of the genetic control of development in four genetically accessible animal models; the nematode *C. elegans*, the fruit fly *Drosophila melanogaster*, the zebra fish *Danio rio*, and the mouse *Mus musculus*. A focus of the course is to compare and contrast genetic analysis of and the genetic control of developmental processes and mechanisms in these four organisms. The course consists of lectures, student presentations, and written assignments

Prerequisite: BS 50, 52, 54, their equivalents or permission of instructor.

[*MCB 155. Molecular Mechanisms of Gene Control]

Catalog Number: 6230

Tom Maniatis

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

An advanced course on the control of gene regulation. Topics include: mechanisms of gene regulation at the level of transcription, chromatin structure, DNA methylation, RNA processing, mRNA localization, and protein synthesis and degradation. The course is taught through weekly lectures and readings from the current literature. Topics covered in lectures and the reading assignments are discussed in sections. Students are required to critically evaluate and discuss recent papers in sections. Two exams.

Note: Expected to be given in 2004–05.

Prerequisite: BS 52 and 54 (or equivalent), and permission of instructor.

MCB 156. Structural Biology of the Flow of Information in the Cell

Catalog Number: 8543

Rachelle Gaudet and David Jeruzalmi

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

A journey that follows the path taken by an extra-cellular signal as it reaches a cell, traverses the plasma membrane, navigates the cytoplasm, and finally manifests its effect upon the genome. Through the reading and discussion of primary research literature, the course highlights how structural biology has helped develop a detailed picture of each step in the pathway. The interplay between cellular and network biology and structural biology is also emphasized.

Prerequisite: BS 56 or equivalent.

MCB 169. Molecular and Cellular Immunology

Catalog Number: 2518

Hidde Ploegh (Medical School)

Half course (fall term). Tu., Th., 10–11:30, and a 90-minute weekly discussion section. 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 50 and 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 of biological membranes, essential elements for cell individuality, communication between cells, and energy transduction. Topics include : membrane structure; membrane protein synthesis, insertion in the bilayer and targeting; transporters, pumps and channels; electron transport, H⁺ gradients and ATP synthesis; membrane receptors, G proteins and signal transduction, and membrane fusion.

Prerequisite: BS 52 and 54.

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 an hour discussion section weekly. EXAM GROUP: 7, 8

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 50 and 51; BS 80 desirable.

[MCB 188. Genetics and Biochemistry of Chromosome Behavior]

Catalog Number: 8561

Nancy Kleckner

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

Chromosome morphogenesis in prokaryotic and eukaryotic organisms. Topics will include chromosome structure, interactions between chromosomes (sisters and homologs), DNA recombination and repair, topoisomerases, transposable elements and site-specific recombination, epigenetic inheritance. Genetic, cytological, and biochemical approaches will be integrated. Lecture, reading, and discussion of classical and current literature and consideration of future experimental directions.

Note: Expected to be given in 2004–05.

Prerequisite: BS 50, 52, and 54.

[*MCB 195. Genomics and the Biology of Complex Systems]

Catalog Number: 8701 Enrollment: Limited to 65.

Members of the Faculty

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

The complete sequences of an increasing number of genomes have produced a range of new experimental and computational approaches to biological problems. We take 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.

Note: Expected to be given in 2004–05.



Prerequisite: BS 50 or BS 52 strongly recommended. Computer science coursework desirable but not required.

OEB 102 (formerly Biology 102). Structure and Physiology of the Vertebrates

Catalog Number: 0921

George V. Lauder and Andrew A. Biewener

Half course (fall term). M., W., F., at 9, and five hours of laboratory weekly. 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.

Note: Expected to be omitted in 2004–05.

Prerequisite: BS 50 and 51.

OEB 104 (formerly Biology 104). Plants and Human Affairs

Catalog Number: 5281

Donald H. Pfister

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

An introduction to the uses of plants by humans. Topics include the form, structure and genetics of plants related to their use as sources of food, shelter, fiber, flavors, beverages, drugs, and medicines. Plant structure and reproduction are studied in lecture and laboratory with a particular focus on relationships between the plant's structural, chemical, or physiological attributes and the utility plant.

Prerequisite: BS 51 or permission of the instructor.

[OEB 106 (formerly Biology 106). Plant Development and Differentiation]

Catalog Number: 4559

Elena M. Kramer

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

A comprehensive lecture course on the developmental biology of plants from fertilization through all phases of vegetative and reproductive growth. Material includes both morphological and genetic studies. Although the main focus of the course is angiosperms, examples are drawn from other lineages of land plants as well. Additional topics include control of cell division and elongation, signal transduction, and hormone response.

Note: Expected to be given in 2004–05.

Prerequisite: OEB 124 (formerly Bio 24) and BS 50 or permission of the instructor.

[OEB 107 (formerly Biology 107). Evolution of Plant Life in Geologic Time]

Catalog Number: 1318

Andrew H. Knoll

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

Origin, evolution, dispersal, paleoecology, and geologic history of the major groups of the plant kingdom. Laboratory study of representative groups, living and fossil.



Note: Expected to be given in 2004–05.

Prerequisite: BS 51 or permission of instructor.

OEB 110 (formerly Biology 110). 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.

Prerequisite: BS 51 recommended, or permission of instructor required.

[OEB 114 (formerly Biology 114). Vertebrate Viviparity]

Catalog Number: 4953

David A. Haig

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

Viviparity has evolved many times in vertebrate phylogeny. The course reviews the diversity of parental care in vertebrates and explore the selective forces that have favored the evolution of live-bearing. The evidence for intergenerational conflicts is considered.

Note: Expected to be given in 2004–05.

[OEB 118 (formerly Biology 118). Biological Oceanography]

Catalog Number: 7752

James J. McCarthy

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

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: Expected to be given in 2004–05. For biology and other natural science concentrators.

Prerequisite: BS 50 and Chemistry 5 and 7 or Chemistry 10. BS 55 (formerly Bio 19) recommended.

***OEB 120 (formerly *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.



***OEB 121a (formerly *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.

Introduces students to experimental techniques used to investigate the structure and physiology of vertebrates. Each instructor offers research projects that are undertaken in their laboratory (limit 5 students per instructor). Students meet to introduce their project, discuss their work and progress, and to present their final results. An extensive commitment of time in the laboratory is required. Grades are based on the work completed, the oral presentation, and a short research paper

Note: Laboratory safety session required.

Prerequisite: OEB 102 preferred and permission of instructor.

***OEB 121b (formerly *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: OEB 121a (formerly Bio 121a) and permission of instructor.

OEB 123 (formerly Biology 123). Biology of Symbiosis

Catalog Number: 0508

Colleen M. Cavanaugh

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

An examination of the major aspects of endosymbiosis with emphasis on mutualism, although some parasitic interactions are covered. Topics include origins of the eukaryotic cell, specificity and recognition of partners, distribution and diversity of associations, and coevolution of host and symbiont.

Prerequisite: BS 50 and 51, and BS 52 or equivalent, or permission of instructor.

OEB 124 (formerly Biology 124). Biology of Plants

Catalog Number: 1343

Elena M. Kramer

Half course (spring term). Tu., Th., 10–11:30, one afternoon laboratory per week, plus occasional field trips. EXAM GROUP: 12, 13

Introduction to the structure, diversity, and physiology of plants with an emphasis on evolutionary relationships and adaptations to life on land. Topics include growth, resource acquisition, interactions with other organisms (i.e., fungi, bacteria, insects), reproduction, and survival in extreme environments. Laboratory sessions provide an overview of plant and diversity and an introduction to basic physiological processes.

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

Prerequisite: BS 51 or 53 or permission of the instructor.



***OEB 130 (formerly *Biology 130). Patterns and Processes in Fish Diversity**

Catalog Number: 4624

Karel F. Liem and George V. Lauder

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

Fishes inhabit diverse aquatic environments including deep seas, intertidal zones, coral reefs, polar waters, the vast Amazonian basin, and great East African lakes. A single fish species may occupy diverse environments through extraordinary long distance horizontal and vertical migrations. To explore this unparalleled diversity, the course emphasizes bridging traditional academic boundaries with integrative analyses of the biology underlying rapid evolutionary radiations and stasis.

Prerequisite: BS 50 and 51, or permission of instructor.

OEB 139 (formerly Biology 139). Evolution of the Vertebrates

Catalog Number: 8562

Farish A. Jenkins, Jr.

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

A survey of the origination and evolution of the major groups of vertebrates, with emphasis on the anatomical and physiological transformations that occurred during the transitions to diverse piscine, amphibian, reptilian, avian, and mammalian lineages. The structures and functions exhibited in extant taxa are explored with perspectives from the fossil record.

Prerequisite: OEB 102 (formerly Bio 21) or equivalent.

OEB 152 (formerly 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 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.

OEB 155r (formerly Biology 155r). Biology of Insects

Catalog Number: 2346 Enrollment: Limited to 15.

Naomi E. Pierce

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

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.

OEB 156r (formerly Biology 156). Tropical Insect Systematics

Catalog Number: 0584



Brian D. Farrell

Half course (spring term). M., W., at 11 and a weekly two and a half hour lab. EXAM GROUP: 4
 A lab course on the systematics and diagnosis of the 200 principal families across 26 orders of insects, including acquisition of the skills to perform rapid onsite insect biodiversity assessment and documentation in the field. Learning to identify insects to the family level using microscopes and a teaching collection. Includes a spring break fieldtrip to the Dominican Republic, during which student teams will collect and process insect specimens for database entry onsite, including digital imaging.

Prerequisite: BS 51 or 53 or permission of the instructor.

OEB 157. Global Change Biology

Catalog Number: 7055

Paul R. Moorcroft and James J. McCarthy

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

Examines natural and anthropogenic changes in the earth system and their impact on the structure and functioning of terrestrial and oceanic ecosystems. Topics include earth system history, fossil fuel emissions, changing water chemistry, ozone, species extinctions and invasions, and human exploitation of natural resources.

Prerequisite: BS 51 or BS 53 and Mathematics 1A required. BS 55 recommended.

OEB 160 (formerly Biology 160). Forest Ecology

Catalog Number: 4369

David R. Foster

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

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: Includes two field trips to the Harvard Forest.

Prerequisite: BS 51 or permission of instructor.

[OEB 174r (formerly Biology 174r). Topics in Behavioral Ecology: Learning and Memory]

Catalog Number: 5199 Enrollment: Limited to 30.

Naomi E. Pierce (convenor), Marc D. Hauser, and Richard W. Wrangham

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

Current issues in behavioral ecology are examined, with topics to change each year. Topics in previous years have included: Evolution of Sex, Evolution of Cooperation, and Evolution of Communication. The course involves invited speakers and participation of professors across disciplines.

Note: Expected to be given in 2004–05.

Prerequisite: BS 57 (formerly Bio 22), BS 80 or Science B-29 or permission of instructor.

OEB 181 (formerly Biology 181). Systematics

Catalog Number: 5459

Gonzalo Giribet and Charles R. Marshall

Half course (fall term). Tu., Th., 12–1:30. EXAM GROUP: 14, 15



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:* BS 53, or permission of instructor required. Familiarity with computers, especially Mac and PC platforms, and Linux also recommended.

[OEB 187 (formerly 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 is discussed, emphasizing the evolution and relationships of the organisms presented in class.

Note: Expected to be given in 2004–05.

Cross-listed Courses

[Biophysics 101. Genomics and Computational Biology](#)
[Chemistry 170. Chemical Biology](#)

Primarily for Graduates

[Biological Sciences 205. Introduction to Graduate Study in Genetics and Genomics](#)

Catalog Number: 5759

William M. Gelbart and members of the Faculty

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

Several topics relating to the intersection of genomics with studies of gene expression, gene annotation, population genetics and molecular evolution will be discussed. The term is broken up into blocks, with pairs of faculty from the Genetics and Genomics Predoctoral Training Program leading the discussions of each topic.

Note: Primarily for first-year graduate students in the Genetics and Genomics Training Program. For others, permission of the instructor is required.

[Biology 200r. AB/AM 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 AB/AM degree. To be taken in both the first and second terms 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 term, 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 term, 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.

MCB 200 (formerly MCB 200a). Introduction to Graduate Study in Molecular and Cellular Biology

Catalog Number: 7215

Catherine Dulac, Raymond L. Erikson, and members of the Faculty

Half course (fall term). W., F., 11:30–1. EXAM GROUP: 4, 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 cell biology.

Note: Active participation in critical evaluations and discussions required. Team-taught by faculty. Limited to MCB graduate students.

[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 2004–05. Given in alternate years. A term paper and seminar are required.

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 only.

OEB 208r (formerly Biology 208). Issues in Historical Paleobiology: Seminar

Catalog Number: 1344

Andrew H. Knoll

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

A seminar focusing on current issues in the history of life. Each year, a single event or time interval is explored; in 2003–04, the focus is Mesozoic marine radiation.



OEB 211r (formerly Biology 211r). Form, Function, and Evolution

Catalog Number: 2056

Karel F. Liem

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

Evolutionary mechanisms underlying the diversity in design of living vertebrates. Recent advances of topics selected by faculty and students.

[OEB 212r (formerly 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 2004–05.

Prerequisite: OEB 120 (formerly Bio 120) or permission of instructor.

OEB 221 (formerly Biology 221). Bacterial Diversity

Catalog Number: 1234

Colleen M. Cavanaugh

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

Examines the remarkable diversity of prokaryotes. Physiological, genetic, ecological, and evolutionary characteristics of Bacteria and Archaea divisions are discussed, as well as the relation of phenotype to phylogeny.

Prerequisite: BS 50 and 51, and BS 52 or equivalent, or permission of instructor.

[OEB 224 (formerly Biology 224). Biology of the Fungi]

Catalog Number: 1308

Donald H. Pfister

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

This intensive course covers the morphology, classification, evolution, and diversity of the fungi, including both parasitic and saprophytic members. Readings and discussion draws from the primary literature. Students apply a variety of techniques to study fungi.

Note: Expected to be given in 2004–05. At least one weekend field trip to be arranged.

Prerequisite: OEB 113 (formerly Bio 113) or permission of instructor.

[OEB 227 (formerly Biology 227). Molecular Approaches to Environmental Microbiology]

Catalog Number: 4444

Colleen M. Cavanaugh

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

Critical review and discussion of current advances in our understanding of biodiversity, community structure, and metabolic activities in Bacteria and Archaea resulting from the application of cellular and molecular approaches in diverse environments

Note: Expected to be given in 2004–05.

Prerequisite: Earth and Planetary Sciences 30 and BS 62 or equivalent, or permission of instructor.



***OEB 234 (formerly *Biology 234). Topics in Marine Biology**

Catalog Number: 4637

Robert M. Woollacott

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

Reproduction and dispersal of marine organisms.

Note: Weekly class meeting including several laboratories and a field trip through course of term.

***OEB 251 (formerly *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

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. 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, OEB 102 (formerly Bio 21), or equivalent course.

[OEB 252 (formerly 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 2004–05.

Prerequisite: OEB 152 (formerly Bio 152) or permission of instructor: calculus and statistics or probability.

OEB 253r (formerly Biology 253r). Evolutionary Genetics Seminar

Catalog Number: 8104

John R. Wakeley

Half course (fall term; repeated spring term). Tu., at 1. EXAM GROUP: 15

Readings and discussion of primary literature in population and evolutionary genetics.

Prerequisite: OEB 152 (formerly Bio 152) or consent of instructor.

[OEB 255 (formerly 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 2004–05.

Prerequisite: BS 55 and OEB 118 (formerly Bio 118).

[OEB 261r (formerly Biology 261r). Evolution and Development Seminar]

Catalog Number: 8451

James Hanken and Elena M. Kramer

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

Graduate seminar evaluates contemporary problems and issues in evolutionary developmental biology. Weekly meetings include student presentations based on assigned readings, plus occasional guest speakers. Examples drawn from both plants and animals.

Note: Expected to be given in 2004–05.

[OEB 267 (formerly Biology 267). Topics in Symbiosis: Seminar]

Catalog Number: 3859

Colleen M. Cavanaugh

Half course (fall term). Hours 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.

Note: Expected to be given in 2004–05.

OEB 268r (formerly Biology 268r). Topics in Plant Developmental Genetics

Catalog Number: 5020

Elena M. Kramer

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

This lecture/seminar reviews the literature related to a particular topic plant developmental genetics. Additionally, participants are familiarized with the advantages and pitfalls of molecular techniques, and the process of project design.

Prerequisite: OEB 120 (formerly Bio 120), and either BS 50, BS 52, equivalents or by permission of instructor.

[OEB 270 (formerly Biology 270). The Evolution and Consequences of Phenotypic Plasticity]

Catalog Number: 9658

Kathleen Donohue

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

Investigates how genetics and ecology interact to determine phenotypic expression and alter evolutionary and ecological processes. Through reading the primary literature, we explore both the genetic basis and ecological context of phenotypic plasticity.

Note: Expected to be given in 2004–05.

OEB 271. Natural Selection in Evolutionary Processes

Catalog Number: 2009

Kathleen Donohue

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



This graduate level seminar explores the role of natural selection in evolutionary processes and examines the empirical methods employed to detect and interpret patterns of natural selection.

***OEB 272r. Origin and Evolution of Vertebrate Complex Systems**

Catalog Number: 6315

Farish A. Jenkins, Jr. and Karel F. Liem

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

An in depth exploration of current advances in our understanding of complex structures and functions in vertebrates, their evolutionary origins, and their integration within the whole organism. Neontological and paleontological topics to be selected and presented by students and instructors.

Prerequisite: OEB 102 (formerly Bio 102), and OEB 130 or 139 (formerly Bio 130 and Bio 139), or Medical Sciences 250ab, or equivalent.

OEB 273. Comparative Biomechanics

Catalog Number: 2818

Andrew A. Biewener

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

An exploration of how animals and plants contend with their physical environment, considering their biomaterial properties, structural form, and mechanical interaction with the environment.

Through lectures combined with seminar discussions and student presentations based on readings, students are introduced to topics involving elasticity, viscoelasticity, fracture, and design in relation to biomechanical performance. Animal locomotor mechanics are also covered.

Prerequisite: Math 1a & b and Physics 11a; Math 21a recommended, or permission of instructor.

[*OEB 299r (formerly *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: Expected to be given in 2004–05. Seminars, conferences, field, and laboratory work at the Harvard Forest, Petersham, Massachusetts.

Cross-listed Courses

Applied Physics 291. Electron Microscopy Laboratory

Graduate Courses of Reading and Research

***MCB 300. Introduction to Research**

Catalog Number: 4816

Raymond L. Erikson 7506 and Andrew P. McMahon 3312 (on leave 2004-05)



***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 (on leave fall term)

***MCB 312. Military and Arms Control Applications of Biology and Chemistry**

Catalog Number: 2063
Matthew Meselson 1319

***MCB 322. Genetics and Development**

Catalog Number: 7290
Craig P. Hunter 2803 (on leave spring term)

***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 (on leave 2004-05)

***MCB 359. Molecular Genetics**

Catalog Number: 6278
Nancy Kleckner 4697

***MCB 360. Proteins Involved in DNA Transactions**

Catalog Number: 0407
James C. Wang 4870 (on leave fall term)

***MCB 364. Vertebrate Development**

Catalog Number: 1396
Andrew P. McMahon 3312 (on leave 2004-05)

***MCB 365. Neurobiology**

Catalog Number: 8349
John E. Dowling 3545

***MCB 366. Synaptic Plasticity and Neuronal Networks**

Catalog Number: 1085



Florian Engert 4290, Rachelle Gaudet 4413 (spring term only), and David Jeruzalmi 4528 (spring term only)

***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

***MCB 377. Genetics and Development**

Catalog Number: 5598

William M. Gelbart 4774 (on leave 2004-05)

***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 (on leave spring term)

***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 (on leave 2003-04)

***MCB 396. Regulation of Mitosis**

Catalog Number: 5706

Andrew W. Murray 3765 (on leave 2003-04)

***MCB 399. Vertebrate Developmental Biology**

Catalog Number: 7699

Douglas A. Melton 7232

***OEB 303 (formerly *Biology 303). Theoretical Population Genetics**

Catalog Number: 4248

John R. Wakeley 5680

***OEB 304 (formerly *Biology 304). Mycology**

Catalog Number: 4702

Donald H. Pfister 4344

***OEB 305 (formerly *Biology 305). The Fundamental Interconnectedness of All Things**

Catalog Number: 3647

David A. Haig 1629 (on leave spring term)

***OEB 307 (formerly *Biology 307). Biomechanics, Physiology and Musculoskeletal Biology**

Catalog Number: 2831

Andrew A. Biewener 1446

***OEB 308 (formerly *Biology 308). Evolution of Floral Developmental Mechanisms**

Catalog Number: 5535

Elena M. Kramer 3791

***OEB 310 (formerly *Biology 310). Metazoan Systematics**

Catalog Number: 3975

Gonzalo Giribet 3854

***OEB 311 (formerly *Biology 311). Ecosystem Ecology**

Catalog Number: 6416

Paul R. Moorcroft 4174



***OEB 312 (formerly *Biology 312). Evolutionary Ecology**

Catalog Number: 2029

Kathleen Donohue 4292

***OEB 320 (formerly *Biology 320). Biomechanics and Evolution of Vertebrates**

Catalog Number: 8915

George V. Lauder 2375

***OEB 323 (formerly *Biology 323). Advanced Vertebrate Anatomy**

Catalog Number: 8188

Farish A. Jenkins, Jr. 3558

***OEB 324 (formerly *Biology 324). Molecular Evolution**

Catalog Number: 2356

Daniel L. Hartl 3278

***OEB 325 (formerly *Biology 325). Marine Biology**

Catalog Number: 4643

Robert M. Woollacott 4135

***OEB 334 (formerly *Biology 334). Behavioral Ecology**

Catalog Number: 8279

Naomi E. Pierce 2889

***OEB 335 (formerly *Biology 335). Ichthyology and Functional Anatomy of Fishes**

Catalog Number: 4640

Karel F. Liem 3843

***OEB 339 (formerly *Biology 339). Whole-Plant Physiology**

Catalog Number: 5214

N. Michele Holbrook 1220 (on leave spring term)

***OEB 341 (formerly *Biology 341). Coevolution**

Catalog Number: 2998

Brian D. Farrell 1985

***OEB 343 (formerly *Biology 343). Microbial Ecology and Symbiosis**

Catalog Number: 1288

Colleen M. Cavanaugh 2538

***OEB 345 (formerly *Biology 345). Biological Oceanography**

Catalog Number: 4676

James J. McCarthy 4343



***OEB 348 (formerly *Biology 348). Plant Ecology**

Catalog Number: 2885

Fakhri A. Bazzaz 7926 (on leave 2003-04)

***OEB 355 (formerly *Biology 355). Evolutionary Developmental Biology**

Catalog Number: 9192

James Hanken 2719

***OEB 357 (formerly *Biology 357). Population Biology and Mathematical Biology**

Catalog Number: 5392

William H. Bossert 1049 (on leave fall term)

***OEB 359 (formerly *Biology 359). Paleobotany**

Catalog Number: 0248

Andrew H. Knoll 7425 (on leave spring term)

***OEB 360. Plant Biophysics**

Catalog Number: 8421

Jacques Dumais 4719

***OEB 361. Somatic Evolution of Cancer**

Catalog Number: 5791

Martin A. Nowak 4568

***OEB 390 (formerly *Biology 390). The Profession of Biology**

Catalog Number: 5539

Raymond L. Erikson 7506

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

***OEB 399 (formerly *Biology 399). Topics in Organismic and Evolutionary Biology**

Catalog Number: 0764

Colleen M. Cavanaugh 2538

Half course (fall 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 COURSES OF INSTRUCTION



Faculty of the Committee on Higher Degrees in Dental Medicine

Bjørn R. Olsen, Professor of Oral and Developmental Biology and Hersey Professor of Cell Biology (*Dental School, Medical School*) (*Chair*)
John D. Bartlett, Assistant Professor of Oral and Developmental Biology (*Dental School*)
Patricia A. D'Amore, Professor of Ophthalmology and Pathology (*Medical School*)
Floyd E. Dewhirst, Associate Professor of Oral and Developmental Biology (*Medical School*)
David E. Fisher, Associate Professor of Pediatrics (*Medical School*)
Paul F. Goetinck, Professor of Anatomy and Cellular Biology and Professor of Dermatology (*Medical School*)
James Hanken, Professor of Biology and Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology
Peter V. Hauschka, Associate Professor of Oral and Developmental Biology (*Dental School*)
Elizabeth D. Hay, Louise Foote Pfeiffer Professor of Embryology (*Medical School*)
Henry M. Kronenberg, Professor of Medicine (*Medical School*)
Beate K. M. Lanske, Associate Professor of Oral and Developmental Biology (*Dental School*)
Andrew B. Lassar, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Michael Levin, Assistant Professor of Oral and Developmental Biology (*Dental School*)
Yefu Li, Assistant Professor of Oral and Developmental Biology (*Dental School*)
Yi-Ping Li, Assistant Professor of Oral and Developmental Biology (*Dental School*)
Daniel E. Lieberman, Professor of Anthropology
Henry C. Margolis, Associate Professor of Oral and Developmental Biology (*Dental School*)
Bruce J. Paster, Associate Professor of Oral and Developmental Biology (*Dental School*)
Vicki Rosen, Professor of Oral and Developmental Biology (*Dental School*)
Philip P. Stashenko, Associate Professor of Oral and Developmental Biology (*Dental School*)
Martin A. Taubman, Professor of Oral and Developmental Biology (*Dental School*)

The Biological Sciences in Dental Medicine (BSDM) Program, leading to the PhD degree combines faculty from the Department of Oral and Developmental Biology and other Harvard School of Dental Medicine departments with faculty from basic science departments at Harvard Medical School, and faculty from the Faculty of Arts and Sciences.

This 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).

Graduate Courses of Reading and Research



***Biological Sciences in Dental Medicine 300. Research with Faculty**

Catalog Number: 9825

Members of the Committee

Biological Sciences in Public Health

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Health Sciences

James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*) (*Chair*)
Bruce F. Demple, Professor of Toxicology (*Public Health*)
Thomas O. Fox, Associate Professor of Neuroscience (*Medical School*)
Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
Nan Laird, Professor of Biostatistics (*Public Health*) (*on leave fall term*)
Carl N. Morris, Professor of Statistics
Dyann F. Wirth, Professor of Tropical Public Health (*Public Health*)
Wing H. Wong, Professor of Statistics (*FAS*) and Professor of Computational Biology (*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*)
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

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*)
Harriet A. Burge, Associate Professor of Environmental Microbiology (*Public Health*)
Barbara Burleigh, Assistant Professor of Immunology and Infectious Diseases (*Public Health*)
James Preston Butler, Associate Professor of Medicine (*Medical School*)
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*)
 Gokhan S. Hotamisligil, James Stevens Simmons Professor of Genetics and Metabolism (*Public Health*)
 Howard Hu, Associate Professor of Occupational Medicine (*Public Health*) and Associate Professor of Medicine (*Medical School*)
 David J. Hunter, Professor of Epidemiology and Nutrition (*Public Health*)
 Phyllis J. Kanki, Professor of 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*)
 John B. Little, James Stevens Simmons Professor of Radiobiology (*Public Health*)
 Clifford Lo, Assistant Professor of Pediatrics (*Medical School*) and Assistant Professor of Nutrition (*Public Health*)
 Carl G. Maki, Assistant Professor of Radiobiology (*Public Health*)
 Donald K. Milton, Assistant Professor of Occupational Medicine (*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*)
 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*)
 Eric Silverman, Assistant Professor, Department of Environmental Health (*Public Health*),
 Assistant Professor of Medicine (*Medical School*)
 Thomas Jay Smith, Professor of Industrial Hygiene (*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*)
 Armen H. Tashjian, Jr., Professor of Toxicology, *Emeritus* (*Public Health*) and Professor of
 Biological Chemistry and Molecular Pharmacology (*Medical School*)
 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, James Stevens Simmons Associate Professor of Toxicology (*Public Health*)

The FAS Standing Committee on Higher Degrees in Public Health Sciences has the general responsibility of overseeing the existing PhD degree programs in biological sciences and biostatistics and developing new PhD programs in other important domains of public health.

The committee is composed of representatives from the Faculty of Arts and Sciences, the School of Public Health, and the Medical School. The committee membership is drawn from the biological and numeric sciences to reflect the current PhD programs. As new programs are created in the future, members representing other relevant disciplines will be added to the committee.

The committee works with the Subcommittee on the Degree of Doctor of Philosophy in Biological Sciences and the Subcommittee on the Degree of Doctor of Philosophy in Biostatistics to make policy decisions and ensure the continuing strengths of those programs. The committee is also charged with initiating discussion of and planning for additional PhD programs.

The Subcommittee on the Degree of Doctor of Philosophy in Biological Sciences in Public Health (with membership from the Faculty of Arts and Sciences, the Medical School, and the School of Public Health) and the Subcommittee on the Degree of Doctor of Philosophy in Biostatistics (with membership from the Faculty of Arts and Sciences and the School of Public Health) hold responsibility for oversight of their respective programs, including monitoring requirements and standards for the degree and creating standards for admission.

For more courses of interest, see the School of Public Health catalog.

Primarily for Graduates

***BPH 205. Introduction to Cancer Biology**

Catalog Number: 6234 Enrollment: Limited to 30.

Zhi-Min Yuan (*Public Health*)



Half course (fall term). M., F., 1:30–3:20. EXAM GROUP: 6, 7

Emphasizes current experimental approaches to studying cancer biology and the process of carcinogenesis. Topics include the biology of cell modification and differentiation, the phenotype of the cancer cell, properties of human and animal cancers, the process of cell transformation, mutagenesis, carcinogen metabolism, and cancer epidemiology.

Note: Offered jointly with the School of Public Health as CCB 210 and with the Medical School as BPH 726.0

Prerequisite: College-level course in biology required.

BPH 206. Advanced Respiratory Physiology

Catalog Number: 1049

James Preston Butler (Medical School)

Half course (fall term). M., W., 9–10:20. EXAM GROUP: 2, 3

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 223.

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

An opportunity for students interested in the respiratory system to focus on special topics in lung biology. This year's emphasis is on the fundamental physical basis and quantitative description of chemical, electrical, and mechanical signaling within the cell. Specific topics covered include passive diffusion, facilitated diffusion, solvent and solvent transport, channels, action potentials, membrane transport, and receptor-ligand binding.

Note: Offered jointly with the Medical School as BPH 727.0, and with the School of Public Health as EH 225.

BPH 208. Human Physiology

Catalog Number: 3627

Stephanie A. Shore (Public Health)

Half course (fall term). M., F., 10:30–12:20. EXAM GROUP: 3, 4

An introduction to the principles governing function in the human body designed to provide a framework in physiology for future public health researchers and professionals who have not taken college level physiology courses. Emphasis is placed on the concept of homeostasis and on integrative aspects of physiology. Examples of pathophysiology and environmental physiology highlight these processes.

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 205.

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

Surveys major human disease problems in the cardiovascular, respiratory, hematopoietic, reproductive and gastrointestinal systems. Emphasis on understanding the pathophysiologic basis of common disease manifestations and the pathogenesis of the disease process.

Note: Offered jointly with the Medical School as BPH 729.0, and with the School of Public Health as EH 208.

Prerequisite: College-level physiology, EH 205, equivalent required.

***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. EXAM GROUP: 17, 18

We cover aspects of biochemistry, cell and molecular biology of protozoan parasites of humans, including: malaria, toxoplasma, leishmania, trypanosomes, amoeba and giardia. Includes in-depth discussions on comparative mechanisms of pathogenesis; unique parasite biochemistry and organelles; strategies/ molecular basis for host immune invasion; bioinformatics approaches to molecular pathogenesis.

Note: Given in alternate years. Offered jointly with the Medical School as BPH 721.0 and with the School of Public Health as IMI 216.

Prerequisite: Suitable course in biochemistry, genetics, or microbiology required.

[BPH 213. Cell Response to Mutagens and Carcinogens]

Catalog Number: 0932

Bruce F. Dimple (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). This seminar course involves analysis and critical discussion of research papers. Written assignments in developing relevant research projects (mini-grant proposals).

Note: Expected to be given in 2004–05. Given in alternate years. Offered jointly with the Medical School as BPH 723.0 and the School of Public Health as CCB 250. Contact instructor at (617) 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, Tu., 3:30–5:20. EXAM GROUP: 15, 16

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 ID 204.

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, including innate and protective responses and those immune responses that are deleterious. Lecture topics include: overview of immune responses; response of mucosal-secretory immune system to pathogens; innate immunity “the collectins”; innate immunity “Th2 PAMPs”; pathogen regulation of host immune responses; pathogen evasion of immune effector mechanisms; polarization of CD4⁺ T helper cell subsets and relationship to disease outcome; resistance to HIV; HIV and co-infection with other pathogens; mechanisms of immunopathogenesis; and development of vaccines. Pathogens covered in detail include: HIV, cholera, TB, staph/strep, toxoplasma, intestinal protozoa, malaria, helminths.

Note: Expected to be given in 2004–05. Given in alternate years. Offered jointly with the Medical School as BPH 724.0 and the School of Public Health as IMI 208. 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)

Half course (fall term). Tu., Th., 8:30–10:20 a.m. EXAM GROUP: 10, 11

Faculty present seminars on their current research in the biological sciences and direct a student discussion of the logic and experimental design of this research. Topics include chemical and viral carcinogenesis, DNA damage and repair, immunology, molecular biology, metabolism, cardiovascular disease, parasitology, and how these areas apply to public health issues.

Note: Required for first-year students in the BPH program. Offered jointly with the School of Public Health as DBS 205.

BPH 222. The Science of Human Nutrition

Catalog Number: 0216

Frank M. Sacks, Clifford Lo and members of the Department

Half course (spring term). Tu., Th., 1:30–3:20. EXAM GROUP: 15, 16

A review of the biochemistry of carbohydrates, fats, proteins, vitamins, and minerals in the context of human disease. Contemporary topics are emphasized. Particular emphasis given to current knowledge of the mechanisms that may explain the role of diet in the causation and/or prevention of ischemic heart disease, diabetes, obesity, hypertension, and cancer. Recommended dietary intakes of selected nutrients are discussed in order to understand their limitations.

Note: Offered jointly with the Medical School as BPH 733.0, and with the School of Public



Health as NUT 202.

Prerequisite: Nutrition 201 is recommended; prior familiarity with nutrition and the health sciences expected, as well as a basic knowledge of biochemistry and human physiology.

Graduate Courses of Reading and Research

***BPH 300 (formerly *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)

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 term (7-8 weeks). Two seminars, which can be taken in different terms, 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 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 (Medical School, Public Health) 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

***BPH 369. Metals Toxicity and Gene-Metal Interactions**

Catalog Number: 8600

Howard Hu 4322

***BPH 370. Environmental Exposures for Studies in Health Effects, and Investigation of the Relationship Between Environmental Exposure and Internal Dose**

Catalog Number: 5653

Thomas Jay Smith (Public Health) 4337

***BPH 371. Molecular and Genetic Determinant of Asthma**

Catalog Number: 6853

Eric Silverman 4336

Biophysics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Biophysics

James M. Hogle, Edward S. Harkness Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Chair*)

Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology

Stephen C. Blacklow, 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*)

Stephen C. Harrison, Higgins Professor of Biochemistry (*Medical School*)

David R. Liu, John L. Loeb Associate Professor of the Natural Sciences



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 Erving Professor of Chemistry
Gerhard Wagner, Elkan Blout Professor of Biological Chemistry and Molecular Pharmacology
(*Medical School*)
Xiaowei Zhuang, Assistant Professor of Chemistry and Chemical Biology and of Physics

Other Faculty Offering Instruction in Biophysics

John A. Assad, Associate Professor of Neurobiology (*Medical School*)
Frederick Ausubel, Professor of Genetics (*Medical School*)
William H. Bossert, David B. Arnold, Jr. Professor of Science (*on leave fall term*)
Daniel Branton, Higgins Research Professor of Biology
Martha L. Bulyk, Assistant Professor of Medicine and Health Science Technology and Assistant Professor of Pathology (*Medical School*)
Lewis C. Cantley, Professor of Cell Biology (*Medical School*)
David E. Clapham, Arlo R. Castaneda Professor of Cardiovascular Research (*Medical School*)
Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Jonathan B. Cohen, Professor of Neurobiology (*Medical School*)
R. John Collier, Maude and Lillian Presley Professor of Microbiology and Molecular Genetics (*Medical School*)
Bruce F. Demple, Professor of Toxicology (*Public Health*)
John E. Dowling, Harvard College Professor and Gordon and Llura Gund Professor of Neurosciences
Michael J. Eck, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Florian Engert, Assistant Professor in Molecular and Cellular Biology
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*)
Rachelle Gaudet, Assistant Professor of Molecular and Cellular Biology
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
Edward E. Harlow, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
David Jeruzalmi, Assistant Professor of Molecular and Cellular Biology
Martin Karplus, Theodore William Richards Professor of Chemistry, Emeritus
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*)
Jun S. Liu, Professor of Statistics
Gavin MacBeath, Assistant Professor of Chemistry and Chemical Biology
Tom Maniatis, Thomas H. Lee Professor of Molecular and Cellular Biology (*on leave 2003-04*)



Keith W. Miller, Mallinckrodt Professor of Pharmacology (*Medical School*)
 Timothy J. Mitchison, Hasib Sabbagh Professor of Cell Biology (*Medical School*)
 Andrew W. Murray, Professor of Molecular and Cellular Biology (*on leave 2003-04*)
 Venkatesh N. Murthy, Morris Kahn Associate Professor of Molecular and Cellular Biology
 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*)
 Bernardo L. Sabatini, Assistant Professor of Neurobiology (*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*)
 Shamil R. Sunyaev, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Jack Szostak, Professor of Genetics (*Medical School*)
 John R. Wakeley, Thomas D. Cabot Associate Professor of Organismic and Evolutionary Biology
 Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 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*)

Biophysics students should consult course listings from the departments of Biology, Chemistry and Chemical Biology, Physics, Molecular and Cellular Biology, the Division of Engineering and Applied Sciences, Applied Math, 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. Lecture with additional sections. 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. Molecular Biophysics and Biophysical Chemistry: Theory and Simulation of Macromolecules]

Catalog Number: 7317 Enrollment: Limited to 18.

Eugene I. Shakhnovich

Half course (spring 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 2004–05. Given in alternate years. Students should enroll in Chemistry 164 when this course is bracketed. Cannot be taken for credit by students who have completed Chemistry 164.

Prerequisite: Biological Sciences 54 and one of the following: Chemistry 160, MCB 61, Physics 143, or permission of instructor.

Cross-listed Courses

[Applied Mathematics 105a. Complex and Fourier Analysis](#)

[Applied Mathematics 105b. Ordinary and Partial Differential Equations](#)

[\[Applied Mathematics 147. Non-linear Dynamical Systems\]](#)

[Chemistry 160. Physical Chemistry](#)

[Chemistry 161. Statistical Thermodynamics](#)

[Chemistry 163. Frontiers in Biophysics](#)

[Chemistry 165. Experimental Physical Chemistry](#)

[Chemistry 170. Chemical Biology](#)

[Engineering Sciences 145. Introduction to Systems Analysis with Physiological Applications](#)

[Engineering Sciences 148. Neural Signal Processing](#)

[Engineering Sciences 156. Signals and Systems](#)

[MCB 115. Cellular Basis of Neuronal Function](#)

[*MCB 129. Molecular Genetics of Neural Development and Behavior](#)

[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](#)

[\[Mathematics 115. Methods of Analysis and Applications\]](#)

[OEB 152 \(formerly Biology 152\). Population Genetics](#)

Primarily for Graduates



Biophysics 242r. Special Topics in Biophysics

Catalog Number: 6011

Members of the Committee

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Topic for 2003-04: Computational and functional genomics. Our focus is on experimental functional genomics, computational prediction of gene function, and properties and models of complex biological systems. Primarily involves critical reading and discussion rather than lectures.

Note: Meets at the Medical School.

Prerequisite: MCB 195 or Biophysics 101, or permission of instructor.

Cross-listed Courses

Applied Mathematics 201. Physical Mathematics I

Applied Mathematics 202. Physical Mathematics II

BCMP 200. Molecular Biology

BCMP 201. Proteins: Structure, Function and Catalysis

[BCMP 228. Macromolecular NMR]

Cell Biology 201. Molecular Biology of the Cell

[Cell Biology 211b. Growth Factors and Signal Transduction]

Chemistry 242. Quantum Mechanics I

Genetics 201. Principles of Genetics

[MCB 212. Topics in Biophysics]

Microbiology 200. Molecular Microbiology and Pathogenesis

***Microbiology 205. Mechanisms of Microbial Pathogenesis**

Neurobiology 200. Introduction to Neurobiology

Neurobiology 204. Neurophysiology of Central Circuits

[*Neurobiology 221. Molecular Neurobiology]

Statistics 215 (formerly Statistics 315a and 315b). Fundamentals of Computational Biology

Graduate Courses of Reading and Research

***Biophysics 300. Introduction to Laboratory Research**

Catalog Number: 7509

James M. Hogle (Medical School) 2943 and Members of the Committee

Half course (fall term; repeated spring term). M., W., F., at 4:30.

Introductory lectures by 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 above fields.

***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 311. Digital Computer Applications in Biophysics**

Catalog Number: 7606

William H. Bossert 1049 (on leave fall term)

***Biophysics 314. Structure of Viruses and Viral Proteins**

Catalog Number: 0687

James M. Hogle (Medical School) 2943

***Biophysics 315. Structural Molecular Biology**

Catalog Number: 2805

Stephen C. Harrison (Medical School) 3597

***Biophysics 317. Biophysical Aspects of the Visual System**

Catalog Number: 4770

John E. Dowling 3545

***Biophysics 318. Mechanisms of Circadian Rhythms, Bioluminescence**

Catalog Number: 4699

J. Woodland Hastings 1311

***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 (on leave 2003-04)

***Biophysics 337. Membrane Structure and Function**

Catalog Number: 1800

Keith W. Miller (Medical School) 4124

***Biophysics 338. Redox Signaling and Repair of Oxidative DNA Damage**

Catalog Number: 4755

Bruce F. Dimple (Public Health) 7853

***Biophysics 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. Theoretical Protein Science, Bioinformatics, Computational Chemistry**

Catalog Number: 6947

Eugene I. Shakhnovich 3147

***Biophysics 344. Directed Evolution and Design of Simple Cellular Systems**

Catalog Number: 6277

Jack Szostak (Medical School) 7096

***Biophysics 346. Biofilm Dynamics**

Catalog Number: 5538

Roberto G. Kolter (Medical School) 7727



***Biophysics 347. Membrane Dynamics; Membrane Structure**

Catalog Number: 5516

David E. Golan (Medical School) 1558

***Biophysics 348. Protein Kinases, Reversible Protein Phosphorylation**

Catalog Number: 4964

Raymond L. Erikson 7506

***Biophysics 349. Structural Biochemistry and Cell Biology of Intracellular Membrane Traffic**

Catalog Number: 4487

Tomas Kirchhausen (Medical School) 1155

***Biophysics 351. Signal Transduction**

Catalog Number: 3848

Lewis C. Cantley (Medical School) 1287

***Biophysics 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 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

***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. Functional Genomics and Computational Methods in the Study of DNA-Protein Interactions**

Catalog Number: 2254

Martha L. Bulyk (Medical School) 4259

***Biophysics 377. Statistical Theory and Inference for Stochastic Processes: With Applications to Bioinformatics**

Catalog Number: 4768

Jun S. Liu 3760

***Biophysics 378. Structural and Cellular Biology of Insulin Signal Transduction**

Catalog Number: 4856

Steven E. Shoelson (Medical School) 3951

***Biophysics 379. Theoretical Population Genetics**

Catalog Number: 2274

John R. Wakeley 5680

***Biophysics 380. Microarray Data: Issues and Challenges**

Catalog Number: 4402

Wing H. Wong 3759

***Biophysics 381. Single-Molecule Biophysics**

Catalog Number: 3046

Xiaowei Zhuang 3991

***Biophysics 382. Regulation of Synaptic Transmission and Dendritic Function in the Mammalian Brain**

Catalog Number: 6116

Bernardo L. Sabatini (Medical School) 4300

***Biophysics 385. Chemical Ecology, Biosynthesis, Structure-based Drug Design**

Catalog Number: 8378

James C. Clardy (Medical School)



***Biophysics 386. Synaptic Plasticity and Neuronal Networks**

Catalog Number: 3012

Florian Engert 4290

***Biophysics 387. Structural Studies of the Stereochemistry of Signaling and Transport through Biological Membranes**

Catalog Number: 6869

Rachelle Gaudet 4413

***Biophysics 388. Structural Studies of Nucleo-Protein Assemblies**

Catalog Number: 1543

David Jeruzalmi 4528

***Biophysics 389. Chemical Biology and Proteomics**

Catalog Number: 4245

Gavin MacBeath 4347

***Biophysics 390. Regulation of Mitosis**

Catalog Number: 2157

Andrew W. Murray 3765 (on leave 2003-04)

***Biophysics 391. Computational Methods in Genetics, Genomics and Proteomics**

Catalog Number: 7043

Shamil R. Sunyaev (Medical School) 4671

Biostatistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Health Sciences

James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*) (*Chair*)

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*) (*on leave fall term*)



Carl N. Morris, Professor of Statistics
Dyann F. Wirth, Professor of Tropical Public Health (*Public Health*)
Wing H. Wong, Professor of Statistics (*FAS*) and Professor of Computational Biology (*Public Health*)

Faculty of the Subcommittee on the Degree of Doctor of Philosophy in Biostatistics

Lee-Jen Wei, Professor of Biostatistics (*Public Health*) (*Chair*)
Nan Laird, Professor of Biostatistics (*Public Health*) (*on leave fall term*)
Carl N. Morris, Professor of Statistics
James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*)
Wing H. Wong, Professor of Statistics (*FAS*) and Professor of Computational Biology (*Public Health*)

Course listings are available online at <http://www.hsph.harvard.edu/Academics/bio>

Business Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Business Studies

George P. Baker, MBA Class of 1966 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

Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy (*Chair*)
George P. Baker, MBA Class of 1966 Professor of Business Administration (*Business School*) (*ex officio*)
John Y. Campbell, Otto Eckstein Professor of Applied Economics
Estelle Cantillon, Assistant Professor of Business Administration (*Business School*)
Paul M. Healy, James R. Williston Professor of Business Administration (*Business School*) (*ex officio*)
Ariel Pakes, Professor of Economics



Alvin E. Roth, George Gund Professor of Economics and Business Administration (*FAS, Business School*) (*on leave spring term*)

Subcommittee on the Degree of Doctor of Philosophy in Information Technology and Management

Marco Iansiti, David Sarnoff Professor of Business Administration (*Business School*) (*Co-chair*)
H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering (*Co-chair*)

George P. Baker, MBA Class of 1966 Professor of Business Administration (*Business School*) (*ex officio*)

Paul M. Healy, James R. Williston Professor of Business Administration (*Business School*) (*ex officio*)

John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics, Associate of Pforzheimer House, Associate Dean for Academic Programs in the Division of Engineering and Applied Sciences (*on leave fall term*)

Joshua Lerner, Jacob H. Schiff Professor of Investment Banking (*Business School*)

David C. Parkes, Assistant Professor of Computer Science on the Gordon McKay Endowment

Avrom J. Pfeffer, Associate Professor of Computer Science on the Gordon McKay Endowment

Michael O. Rabin, Thomas J. Watson, Sr. Professor of Computer Science (*on leave spring term*)

Jan W. Rivkin, Associate Professor of Business Administration (*Business School*)

Margo I. Seltzer, Herchel Smith Professor of Computer Science

Michael D. Smith, Gordon McKay Professor of Computer Science and Electrical Engineering

Stefan Thomke, Associate Professor of Business Administration (*Business School*)

David Mark Upton, Albert J. Weatherhead III Professor of Business Administration (*Business School*)

Subcommittee on the Degree of Doctor of Philosophy in Organizational Behavior

Joel Podolny, Professor of Sociology and Professor of Business Administration (*Business School*) (*Acting Chair*)

Teresa M. Amabile, Edsel Bryant Ford Professor of Business Administration (*Business School*)

George P. Baker, MBA Class of 1966 Professor of Business Administration (*Business School*) (*ex officio*)

Max H. Bazerman, Jesse Isidor Straus Professor of Business Administration (*Business School*)

J. Richard Hackman, Cahners-Rabb Professor of Social and Organizational Psychology

Paul M. Healy, James R. Williston Professor of Business Administration (*Business School*) (*ex officio*)

Jay W. Lorsch, Louis E. Kirstein Professor of Human Relations (*Business School*)

Peter V. Marsden, Professor of Sociology

Michael Tushman, Paul R. Lawrence MBA Class of 1942 Professor of Business Administration (*Business School*)

Daniel M. Wegner, Professor of Psychology

Other Faculty Offering Instruction



Joseph L. Bower, Donald K. David Professor of Business Administration (*Business School*)
 Mark T. Bradshaw, Assistant Professor of Business Administration (*Business School*)
 Ramon Casadesus-Masanell, Assistant Professor of Business Administration (*Business School*)
 Kenneth S. Corts, Associate Professor of Business Administration (*Business School*)
 Amy C. Edmondson, Associate Professor of Business Administration (*Business School*)
 Lee Fleming, Assistant Professor of Business Administration (*Business School*)
 Giovanni Gavetti, Assistant Professor of Business Administration (*Business School*)
 Myra Hart, MBA Class of 1961 Professor of Management (*Business School*)
 Tarun Khanna, Professor of Business Administration (*Business School*)
 Rajiv Lal, Stanley Roth, Sr. Professor of Retailing (*Business School*)
 Thomas K. McCraw, Isidor Straus Professor of Business History (*Business School*)
 Michael A. Roberto, Assistant Professor of Business Administration (*Business School*)
 Deborah L. Spar, Spangler Family Professor of Business Administration (*Business School*)
 Luc R. Wathieu, Assistant Professor of Business Administration (*Business School*)

PhD programs in Business Economics, Organizational Behavior, and Information Technology and Management are administered by the Standing Committee on Higher degrees in Business Studies consisting of members from both Harvard Business School (HBS) and the Faculty of Arts and Sciences. 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 \(formerly Business Studies 2000cd\). Management and Markets: Human Behavior and Administration](#)

Catalog Number: 3946 Enrollment: Limited to 36.

George P. Baker (Business School) and members of the Business School Faculty

Half course (fall term). M., W., F., 12–1:30. EXAM GROUP: 5, 6

Examines 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.

[Business Studies 2000cd. Management and Markets: Organizational Economics and Finance](#)

Catalog Number: 5800 Enrollment: Limited to 36.

George P. Baker (Business School) and members of the Business School Faculty

Half course (spring term). M., W., F., 12–1:30. EXAM GROUP: 5, 6

Examines the foundations of corporate strategy and organizational design as informed by industrial and organizational economies. In the second part, we study the functioning of modern capital markets, and the interactions of firms within this market.



Business Studies 2070. Design of Field Research Methods

Catalog Number: 8793

Amy C. Edmondson (Business School)

Half course (spring term). Tu., 9:30–12. EXAM GROUP: 11, 12, 13

Field research involves collecting original data (qualitative or quantitative) in field sites. Specific topics covered include variance versus process models, blending qualitative and quantitative data collecting, and analyzing different kinds of data.

Prerequisite: Previous course work in research methods. Students are expected to understand basic principles of statistical analysis as a foundation for engaging in discussions about effective field research.

Business Studies 2110. The Foundations of Strategy

Catalog Number: 2784 Enrollment: Limited to 36.

Giovanni Gavetti (Business School)

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

Examines the application of contemporary thinking about microeconomics and, particularly, industrial organization, to business strategy. The perspective taken, however, emphasizes issues associated with business administration and research in that area.

Prerequisite: Economics 2010a, or the equivalent.

[Business Studies 2120. Game Theory]

Catalog Number: 8305 Enrollment: Limited to 36.

Ramon Casadesu-Masanell (Business School) and Kenneth S. Corts (Business School)

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

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. Emphasizes applications to business-strategy concepts, such as positioning, judo, bundling, and innovation.

Note: Expected to be given in 2004–05. Open to advanced undergraduates with permission of instructor.

Business Studies 2250. Empirical Research in Financial Reporting and Analysis

Catalog Number: 7941

Mark T. Bradshaw (Business School)

Half course (fall term). W., 3:30–6:30. EXAM GROUP: 8, 9

Designed to introduce fundamental research themes and methodologies used in empirical financial accounting research. Participants will become acquainted with the relevant literature through classroom discussions of assigned readings, paper summaries, problem sets, and research proposals.

Note: Offered jointly with the Business School as 4250.

[Business Studies 2310. Policy and Management: Seminar]

Catalog Number: 9281 Enrollment: Limited to 36.

Joseph L. Bower (Business School) and Michael A. Roberto (Business School)

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

Course covers 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.

Note: Expected to be given in 2004–05.

Business Studies 2330. Theoretical and Empirical Perspectives on Entrepreneurship

Catalog Number: 8698

Joshua Lerner (Business School)

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

Involves a variety of literature regarding academic disciplines, readings primarily focus on discipline-oriented research from an economics, finance, and sociological perspective. Students are expected to complete two reports and a paper.

Business Studies 2540. The Management of Technological Innovation

Catalog Number: 8573 Enrollment: Limited to 36.

Lee Fleming (Business School)

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

Explores a range of topics and themes associated with technological innovation. Designed to provide doctoral students with a relatively comprehensive overview of the important streams of literature in the innovation field.

Business Studies 2600. Issues and Research in Marketing

Catalog Number: 7473

Luc R. Wathieu (Business School)

Half course (fall term). Tu., 9:30–12. EXAM GROUP: 11, 12

Examines the wide range of issues addressed by academic researchers in marketing and consumer behavior. A primary goal of the course is to understand how academic research develops and evolves over time.

Business Studies 2660. Marketing Models

Catalog Number: 1948

Rajiv Lal (Business School)

Half course (spring term). Th., 9:30–12. EXAM GROUP: 11, 12, 13

Examines the extant literature in the field of marketing models with special attention to pricing and promotions, sales force management, channels of distribution (retail and industrial), new product development, marketing planning, and strategy.

[Business Studies 2720. Economics of International Business]

Catalog Number: 7141

Tarun Khanna (Business School)

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

Examines the micro-economic underpinnings of firm-level issues internationally. The first part consists theoretical and empirical issues. The second part examines the first part's analysis to a specific context.

Note: Expected to be given in 2004–05.



[Business Studies 2730. The Political Economy of International Business]

Catalog Number: 2769

Deborah L. Spar (Business School)

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

Examines how international business in a global economy plays a controversial role. Students will examine how multinational firms are often criticized for wielding disproportionate power and shaping national destinies for profit-seeking agendas.

Note: Expected to be given in 2004–05.

Business Studies 2810. Business History Seminar

Catalog Number: 3157 Enrollment: Limited to 36.

Thomas K. McCraw (Business School)

Half course (fall term). M., 3:15–5:15. EXAM GROUP: 8, 9

Topic to be announced.

Graduate Courses of Reading and Research

***Business Studies 3000. Direction of Doctoral Dissertations**

Catalog Number: 6863

Teresa M. Amabile (Business School) 1957, George P. Baker (Business School) 3834, Max H. Bazerman (Business School) 3835, John Y. Campbell 1230, Estelle Cantillon (Business School) 4367, Jerry R. Green 1539, J. Richard Hackman 1504, Myra Hart (Business School) 4843, Paul M. Healy (Business School) 3838, Marco Iansiti (Business School) 4272, H. T. Kung 3155, Joshua Lerner (Business School) 1601, Jay W. Lorsch (Business School) 2007, Peter V. Marsden 1797, Ariel Pakes 1774, Joel Podolny (Business School) 4483, Jan W. Rivkin (Business School) 4839, Alvin E. Roth (FAS, Business School) 564 (on leave spring term), Stefan Thomke (Business School) 4840, Michael Tushman (Business School) 4841, David Mark Upton (Business School) 3913, and Daniel M. Wegner 3758

Cross-listed Courses

***Economics 2020a. Microeconomic Theory I**

***Economics 2020b. Microeconomic Theory II**

Economics 2040. Experimental Economics

Economics 2056. Market Design

Economics 2665. The Economics of Organizations Workshop

Economics 2730. Asset Pricing II

***Economics 3660hf. The Law, Economics, and Organizations Workshop**

***Psychology 2100. Research Methodology**

***Psychology 2650. Behavioral Approaches to Decision Making and Negotiation**

Sociology 224. Organizational Analysis: Seminar



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) (on leave spring term)

Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies (Acting Chair, spring term,
and Director of Graduate Studies)

Gene C. Haley, Lecturer on Celtic Languages and Literatures, Associate of the Department of
Celtic Languages and Literatures (fall term only)

Barbara L. Hillers, Assistant Professor of Celtic Languages and Literatures

T. G. Hunter, Visiting Professor of Celtic Languages and Literatures (spring term only)

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language
courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads
to determine if a course is offered on that basis.

Primarily for Undergraduates

*Celtic 91r. Supervised Reading and Research

Catalog Number: 1323

Patrick K. Ford (fall term only) 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). M., W., (F.), at 3. EXAM GROUP: 8

An introduction to the oral literature of Ireland. We 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 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
are 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 AD. Through native annals, regnal lists, genealogies, laws, martyrologies, related literary and hagiographic works, pseudo-historical documents, and archaeological evidence, this course examines the major social, political, military, religious, and cultural developments from roughly the third century AD to the eve of the Norman Invasion.

Note: Expected to be omitted in 2004–05. No knowledge of Irish required; all texts are read in English translation.

Celtic 113. Gaelic Women's Poetry

Catalog Number: 7517

Barbara L. Hillers

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

Explores the ways gender, genre, and tradition intersect in the poetic tradition of Gaelic Ireland and Scotland from the Middle Ages to today. After an excursion into early medieval literature, we focus on the work of women aristocrats, female genres of oral folk tradition, and contemporary poetry.

Note: Expected to be omitted in 2004–05. This course is of particular interest to students with a background in Irish or Scottish Gaelic, but no knowledge of either language is necessary. All texts are read in English translation.

Celtic 114. Early Irish Historical Tales

Catalog Number: 0781

Tomás Ó Cathasaigh

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

Introduction to early Irish story-material about legendary and historical persons and events. Attitudes to kingship and views of history in the tales are explored.

Note: Expected to be omitted in 2004–05. All texts are read in English translation.

[Celtic 124. Modern Irish Literature]

Catalog Number: 7084

Barbara L. Hillers

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

A survey of 20th-century prose and poetry in Irish, from its partisan beginnings to the work of acclaimed contemporary authors. We investigate a range of prose genres, focusing especially on the short story, and trace the development of poetry from the 1950s to today.

Note: Expected to be given in 2005–06. Knowledge of Irish helpful, but not required. All texts are 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 2004–05. It is suggested that this course be followed by Celtic 129r.

Celtic 129r. Intermediate Modern Welsh

Catalog Number: 4694

T. G. Hunter 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 2004–05.

Prerequisite: Celtic 128 or permission of instructor.

[Celtic 130. Introduction to Scottish Gaelic]

Catalog Number: 1846

Barbara L. Hillers and others

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

An introduction to the spoken and written language.

Note: Expected to be given in 2005–06. It is suggested that this course be followed by Celtic 131.

[Celtic 131. Intermediate Scottish Gaelic]

Catalog Number: 4542

Barbara L. Hillers and others

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

A continuation of the fall term course.

Note: Expected to be given in 2005–06.

Prerequisite: Celtic 130 or equivalent.

***Celtic 132. Introduction to Modern Irish**

Catalog Number: 6725 Enrollment: Limited to 15.

Barbara L. Hillers and others

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

Introduction to spoken and written Irish.

Note: It is suggested that this course be followed by Celtic 133r.

***Celtic 133r. Intermediate Modern Irish**

Catalog Number: 6689 Enrollment: Limited to 15.

Tomás Ó Cathasaigh and others

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

Development of oral competence and writing skills.

Prerequisite: Celtic 132 or permission of instructor.

Celtic 138r. The Mabinogi

Catalog Number: 6480

T. G. Hunter

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



A study of the prose literature of medieval Wales, focusing on the Four Branches, the early Arthurian tales, and associated works. Topics include the relationship between manuscript culture and oral tradition and the social status of vernacular prose in medieval Wales.

Note: Expected to be omitted in 2004–05. All texts are 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 given in 2005–06. Offered jointly with the Divinity School as 3686. All texts are read in English translation.

Celtic 160. Advanced Modern Irish

Catalog Number: 0704

Barbara L. Hillers

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

Geared to the interests and aptitudes of the participants, this course enhances students' confidence in using Irish as a medium of oral and written communication and introduces them to the Gaelic literary tradition.

Note: Expected to be omitted in 2004–05. 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

Kathryn Ann Chadbourne

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

Continuation of the fall term course.

Note: Expected to be omitted in 2004–05.

Prerequisite: Celtic 160 or permission of instructor.

[Celtic 182. Modern Welsh Literature]

Catalog Number: 1653

Patrick K. Ford

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

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 2004–05. All works read in Welsh. Discussion in English.

[Celtic 184. The *Táin*]

Catalog Number: 2150



Tomás Ó Cathasaigh

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

A study of the exuberant Irish prose epic *Táin Bó Cuailnge* ('Cattle-Raid of Cooley').

Note: Expected to be given in 2004–05. Text read in English translation.

Cross-listed Courses

English 161m. 20th-Century Irish Literature

[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 160a. Old Norse Language, Literature, and Culture: The Viking Legacy

Scandinavian 160b. Old Norse Language, Literature, and Culture: Mythology

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 2004–05. 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 2004–05.

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 2005–06.

[Celtic 204r. Readings in Early Irish Poetry]

Catalog Number: 8493

Tomás Ó Cathasaigh

Half course (fall term). M., W., (F.), at 2. EXAM GROUP: 7



Readings in selected texts.

Note: Expected to be given in 2004–05.

Prerequisite: Celtic 200 or permission of the instructor.

[Celtic 205r. Readings in Early Irish Prose]

Catalog Number: 2705

Tomás Ó Cathasaigh

Half course (spring term). M., W., (F.), at 2. EXAM GROUP: 7

Readings in selected texts.

Note: Expected to be given in 2004–05.

Prerequisite: Celtic 200 or permission of the instructor.

[Celtic 208. Early Irish Society]

Catalog Number: 1359

Tomás Ó Cathasaigh

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

The course is concerned with the institutional and conceptual framework of early Irish life. The evidence of the laws is considered in translation, and the literature is taken into account.

Note: Expected to be given in 2004–05.

[Celtic 222. The Irish Manuscript Tradition]

Catalog Number: 1040

Barbara L. Hillers

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

An exploration of the contents and background of the most important manuscript codices, and a practical introduction to Irish palaeography.

Note: Expected to be given in 2006–07.

Prerequisite: A knowledge of either Irish and/or Latin is helpful.

[Celtic 225a. Introduction to Middle Welsh]

Catalog Number: 3960

Patrick K. Ford

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

Introduction to the language, leading to the reading of Middle Welsh prose texts.

Note: Expected to be given in 2004–05. 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). Tu., Th., at 2. EXAM GROUP: 16

Further grammatical studies with continued readings of Middle Welsh prose and poetry.

Note: Expected to be given in 2004–05.

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 2004–05.

Prerequisite: Celtic 225b or permission of the instructor.

Celtic 227. Welsh Bardic Poetry: Seminar

Catalog Number: 2580

T. G. Hunter

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

Selected readings from the Poets of the Princes and the *Cywyddwyr*, focusing on the historical development of bardic practice, the social organization of poets, and the bardic grammars.

Central texts include *ymrysonau* (poetic debates).

Note: Expected to be omitted in 2004–05.

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 2004–05.

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 (on leave spring term), Kathryn Ann Chadbourne 2531 (spring term only), Gene C. Haley 3987 (fall term only), Barbara L. Hillers 3342, T. G. Hunter 1864 (spring term only), and Tomás Ó Cathasaigh 1224

***Celtic 305. Preparation of Doctoral Dissertation**

Catalog Number: 0375

Patrick K. Ford 2921 (on leave spring term), Barbara L. Hillers 3342, and Tomás Ó Cathasaigh 1224



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*)

John M. Doyle, Professor of Physics

Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry (*on leave spring term*)

David R. Reichman, John L. Loeb Associate Professor of the Natural Sciences

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

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 (*on leave spring term*)

Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry

Eric Mazur, Harvard College Professor, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave 2003-04*)

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies (*on leave spring term*)

Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences (*on leave 2003-04*)

Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy and Professor of Applied 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.

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 G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry
 David A. Evans, Abbott and James Lawrence Professor of Chemistry
 Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science (*on leave spring term*)
 Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry (*on leave spring term*)
 Eric J. Heller, Professor of Chemistry and Physics
 Richard H. Holm, Higgins Professor of Chemistry (*on leave fall term*)
 Eric N. Jacobsen, Sheldon Emery Professor of Chemistry (*Director of Undergraduate Studies*)
 Jeremy R. Knowles, Harvard University Distinguished Service Professor and Amory Houghton Professor of Chemistry and Biochemistry
 Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry
 David R. Liu, John L. Loeb Associate Professor of the Natural Sciences
 Gavin MacBeath, Assistant Professor of Chemistry and Chemical Biology
 Andrew G. Myers, Professor of Chemistry and Chemical Biology (*Director of Graduate Studies*)
 Hongkun Park, John L. Loeb Associate Professor of the Natural Sciences
 Garry Procter, Lecturer on Chemistry and Chemical Biology
 David R. Reichman, John L. Loeb Associate Professor of the Natural Sciences
 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 Erving Professor of Chemistry
 M.-Christina White, Assistant Professor of Chemistry and Chemical Biology
 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

Dudley R. Herschbach, Frank B. Baird, Jr. Research Professor of Science
 Martin Karplus, Theodore William Richards Professor of Chemistry, Emeritus
 Yoshito Kishi, Morris Loeb Professor of Chemistry, Emeritus
 William Klemperer, Erving Research Professor of Chemistry

Affiliates of the Department

Stephen C. Harrison, Higgins Professor of Biochemistry (*Medical School*)
 David R. Nelson, Mallinckrodt Professor of Physics and Professor of Applied Physics (*on leave 2004-05*)

Depending on their prior preparation, students will choose one of three possible entries to studies in this Department. Students with typical high school backgrounds or with no previous study of



chemistry should enroll in Chemistry 5 and 7; students with a strong background in chemistry should enroll in Chemistry 15; 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 (15)+20+30+60+135 track. Others who start with 5+7+17+27 may join the other track by taking 135 and 15. Most students of life sciences, especially those preparing for medical school, will take 5+7 or 15 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.

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 Assistant Director of Undergraduate Studies' Office, Science Center 114.

Chemistry 5. Introduction to Principles of Chemistry

Catalog Number: 7171

Charles M. Lieber and David R. Reichman

Half course (fall term). M., W., F., at 9, an hour weekly discussion, and three hours of laboratory weekly. 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 15, 17, or 20; see those course descriptions for details. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Chemistry 7. Principles of Chemistry

Catalog Number: 5118

Hongkun Park

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.

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

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 15. Inorganic Chemistry

Catalog Number: 5025

Roy G. Gordon and Richard H. Holm

Half course (fall term). M., W., F., at 9, and a discussion section, and laboratory work averaging four hours a week, to be arranged. EXAM GROUP: 2

The origins of the elements; synthesis, bonding, thermodynamics and reactivity of inorganic compounds and solids. Case studies of industrial, environmental and biological processes will be used to illustrate the principles of inorganic chemistry. Laboratory: an introduction to inorganic synthesis, analysis and reactions.

Note: Chemistry 15 may not be counted toward a degree in addition to the former Chemistry 40. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: 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 15, students must obtain a satisfactory score on the Harvard Chemistry Placement Examination, given during the 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 15 may be counted toward a degree in addition to Chemistry 5, 7 or 10.

Chemistry 17. Principles of Organic Chemistry

Catalog Number: 5085

Eric N. Jacobsen

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

Prerequisite: Open to freshmen with a score of 750 or higher in the College Boards or the Chemistry Placement Examination; to students who scored 4 or 5 on the Chemistry Advanced



Placement Examination; and to students who achieved a grade of B or higher in either Chemistry 7, 10, or 15. Others may enter only by permission of the instructor.

Chemistry 20. Organic Chemistry

Catalog Number: 0876

Andrew G. Myers

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

An introduction to structure and bonding in organic molecules; mechanisms of organic reactions; chemical transformations of the functional groups of organic chemistry; synthesis; determination of chemical structures: infrared and NMR spectroscopy.

Note: The Chemistry 17/27 sequence is intended primarily for students in the life sciences, whereas the 20/30 sequence is intended primarily for Chemistry concentrators and other students concentrating in the physical sciences. Either sequence satisfies the organic chemistry requirement for medical school. The content of Chemistry 17 is similar to that of Chemistry 20, so students may not count both courses toward the degree. On the other hand, Chemistry 27 and Chemistry 30 cover different material, so students may choose to take both courses for degree credit; students should ordinarily take the third half course only after completing either the 17/27 or 20/30 sequence. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Open to freshmen with a score higher than 750 in the College Boards or the Chemistry Placement Examination; to students who scored 5 on the Chemistry Advanced Placement Examination; and to students who achieved a grade of B or higher in either Chemistry 7, 10, or 15. Others may enter only by permission of the instructor.

Chemistry 27. Organic Chemistry of Life

Catalog Number: 5978

Gavin MacBeath

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

Chemical principles that govern the processes driving living systems are illustrated with examples drawn from biochemistry, cell biology, and medicine. The course deals with organic chemical reactivity (reaction mechanisms, structure-reactivity relationships), with matters specifically relevant to the life sciences (chemistry of proteins, nucleic acids, drugs, natural products, cofactors, signal transduction), and with applications of chemical biology in medicine and biotechnology. An understanding of organic reactions and their “arrow pushing” mechanisms is required.

Note: Chemistry 27 and 30 may both be taken for degree credit. See note for Chemistry 17. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Chemistry 17 or Chemistry 30 or Chemistry 20 with permission of the instructor.

Chemistry 30. Organic Chemistry

Catalog Number: 6587

M.-Christina White

Half course (fall term). Lectures M., W., F., at 9, and laboratory, four to six hours a week, to be arranged. EXAM GROUP: 2



Continuation of Chemistry 20. Fundamental principles and advanced topics in organic chemistry. Carbonyl chemistry and pericyclic reactions are covered in particular detail, using principles of stereochemistry, stereoelectronic theory, and molecular orbital theory as a foundation. Students learn about strategies in multi-step organic synthesis and are introduced to biologically important classes of compounds including alkaloids, carbohydrates, peptides, and nucleic acids.

Laboratory: an introduction to organic chemistry laboratory techniques and experimental organic synthesis.

Note: See note for Chemistry 17. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Chemistry 20 or equivalent.

Chemistry 60. Foundations of Physical Chemistry

Catalog Number: 5181

David R. Reichman

Half course (spring term). W., F., 1:30–3. EXAM GROUP: 6, 7

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 15 or equivalent; completion or concurrent enrollment in Mathematics 21a or Applied Mathematics 21a; completion or concurrent enrollment in Physics 11a or equivalent.

***Chemistry 91r. Introduction to Research**

Catalog Number: 4366

Eric N. Jacobsen 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 Assistant Director of Undergraduate Studies in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head, Eric N. Jacobsen, and Prof. Jacobsen's signature must appear on each student's study card.

***Chemistry 98r. Introduction to Research—Junior Year**

Catalog Number: 3124

Eric N. Jacobsen and members of the Department

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

Research under the direction of, or approved by, a member of the faculty of the Department of Chemistry.

Note: Open with permission of the instructor to junior chemistry majors who have satisfactorily completed the non-credit *Introduction to Research Tutorial* in the spring term of the sophomore year. In that non-credit spring term tutorial, taught Tu., Th., 1–2:30, students will attend introductory lectures and research seminars in order to acquaint themselves with departmental research programs. In the junior year, students who complete the non-credit tutorial and obtain



placement in a research laboratory will undertake research as Chemistry 98r. Written permission of the research adviser must be filed at the office of the Assistant Director of Undergraduate Studies in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head, Eric N. Jacobsen, and Prof. Jacobsen's signature must appear on each student's study card.

***Chemistry 99r. Tutorial—Senior Year**

Catalog Number: 4508

Eric N. Jacobsen and members of the Department

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

Research under the direction of, or approved by, a member of the faculty of the Department of Chemistry.

Note: Open to seniors accredited by the Department as honors candidates. Students enrolled in Chem 99r have the option of writing a thesis. Written permission of the research adviser must be filed at the office of the Assistant Director of Undergraduate Studies in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head, Eric N. Jacobsen, and Prof. Jacobsen's signature must appear on each student's study card.

Cross-listed Courses

Biological Sciences 52. Introductory Molecular Biology

Earth and Planetary Sciences 107. Environmental Geochemistry

Earth and Planetary Sciences 133. Atmospheric Chemistry

Engineering Sciences 168. Aquatic Chemistry

***Freshman Seminar 22e. Molecular Motors and Pumps**

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

***Freshman Seminar 23p. When Antibiotics Fail: From Sore Throats to Tuberculosis to Anthrax**

MCB 176. Biochemistry of Membranes

For Undergraduates and Graduates

Chemistry 105. Mechanisms of Organic Reactions: Physical - Organic Chemistry

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 20 and 30, and Chem 60 or MCB 61 with a grade of B- or better (Chem 60 and MCB 61 can be taken concurrently) or an equivalent introductory physical chemistry course.

Chemistry 115. Advanced Organic Chemistry: Synthesis of Complex Molecules

Catalog Number: 0480

Matthew D. Shair



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

An integrated course in complex synthetic problem solving that focuses on the development of principles and strategies for synthesis design with a concurrent, comprehensive review of modern synthetic transformations.

Prerequisite: Chemistry 105 or a grade of A in Chemistry 30.

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 (spring term). Hours to be arranged.

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 group theory and quantum chemistry.

Note: Expected to be given in 2005–06.

Prerequisite: Chemistry 15 or 160, or permission of the instructor.

[Chemistry 153. Organotransition Metal Chemistry]

Catalog Number: 1848

M.-Christina White

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

An introduction to transition metal-mediated chemistry. Topics include organometallic and bioinorganic reaction mechanisms. Particular emphasis is placed on the development of homogeneous catalysts and synthetic mimics of metallo-enzymes, and on their applications in organic synthesis.

Note: Expected to be given in 2004–05. Primarily for graduate students and advanced undergraduates in chemistry.

Prerequisite: Chemistry 30 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. 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

Hongkun Park

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 2004–05. Primarily for advanced undergraduates and graduates.

Prerequisite: Chemistry 15 or equivalent.

Chemistry 160. Physical Chemistry

Catalog Number: 3420

Eric J. Heller

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

An introduction to modern theories of the structure of matter, including the principles of quantum mechanics, the electronic structure of atoms and molecules, chemical bonding, and atomic and molecular spectra.

Prerequisite: Applied Mathematics 21a and 21b, Mathematics 21a and 21b, or equivalent preparation in calculus and differential equations; one full course in physics (with an honor grade, if in Physics 1); Chemistry 15 or equivalent.

Chemistry 161. Statistical Thermodynamics

Catalog Number: 3575

Xiaowei Zhuang

Half course (spring term). Tu., Th., 11:30–1; Tu., at 2. 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 163. Frontiers in Biophysics

Catalog Number: 3635



Xiaoliang Sunney Xie

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

In recent years, emerging physical tools have changed the way biological problems are addressed. This interdisciplinary course will introduce new experimental advances, microscopy and spectroscopy in particular, together with underlying principles, in the fields of molecular and cellular biophysics. It will introduce both biological problems from a physical perspective and physical chemistry concepts with biological examples.

Note: Primarily for advanced undergraduate students and graduate students with either biological or physical backgrounds.

Chemistry 165. Experimental Physical Chemistry

Catalog Number: 0667

James G. Anderson and Xiaoliang Sunney Xie

Half course (spring term). Lectures: F., 1–2:30; laboratories M., or Tu., 1–5. EXAM GROUP: 6, 7

Introduction to methods and techniques used in physical chemistry/chemical physics research laboratories. Nine of eleven laboratory assignments involve experiments conducted in current CCB Research Groups: molecular beams; mass spectrometry; Fourier transform infrared and NMR spectroscopies; laser ablation; laser spectroscopy; cavity ring-down spectroscopy; scanning tunneling and atomic force microscopy; kinetics. Computer-based methods of data acquisition and analysis are used throughout.

Note: Recommended as an efficient preparation for research in experimental physical chemistry/chemical physics and related sciences.

Prerequisite: Chemistry 160 or Physics 143a.

Chemistry 167. Surface and Interfacial Phenomena

Catalog Number: 7480

Cynthia M. Friend

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

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 interfacial structure. Selected experimental 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, such as nanotechnology, and film growth.

Note: Primarily for graduates and advanced undergraduates in chemistry, physics, and Applied Sciences. Given in alternate years.

Prerequisite: Chemistry 160 or equivalent.

Chemistry 170. Chemical Biology

Catalog Number: 7754

David R. Liu

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

An exploration of 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, genomics, and proteomics. Lectures are supplemented with problem sets, discussion sections, and additional readings from the scientific literature.

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

We explore in detail the relationship between the structure and function of biological macromolecules. Emphasis is placed on the chemical principles governing recognition and catalysis in biological systems, using examples drawn from the scientific literature. Topics 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 include gene regulation, signal transduction, and chemical genetics.

Cross-listed Courses

[Biophysics 164r. Molecular Biophysics and Biophysical Chemistry: Theory and Simulation of Macromolecules]

[Earth and Planetary Sciences 137. Biogeochemistry]

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

A discussion of the important classes of organic reactions will be presented. Topics include rearrangements, cycloadditions, carbonyl additions, and enolate-based transformations. An introduction to FMO theory and stereoelectronic effects will be provided.

Prerequisite: Chemistry 30 or permission of instructor.

[Chemistry 241. Chemical Kinetics]

Catalog Number: 6976

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

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: Expected to be given in 2004–05. Given in alternate years.

Chemistry 242. Quantum Mechanics I

Catalog Number: 2971

Eugene I. Shakhnovich

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



Principles of quantum mechanics, Particle in a potential well, Identical particles, Angular momentum, time-independent perturbation theory, Chemical bonding in molecules.
Prerequisite: Chemistry 160 or Physics 143, Physics 11 or 12, and Applied Mathematics 105a and 105b, or Mathematics 21, or equivalent.

Cross-listed Courses

[Applied Physics 291. Electron Microscopy Laboratory](#)
[Biophysics 242r. Special Topics in Biophysics](#)
[Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics](#)
[\[Engineering Sciences 268. Environmental Chemical Kinetics\]](#)
[Physics 218. Modern Dynamical Systems](#)

Graduate Courses of Reading and Research

A student intending to elect one of the following research courses should consult the instructor as far in advance as possible.

***Chemistry 300. Research and Reading**

Catalog Number: 6307

Members of the Department

Individual work under the supervision of members of the Department.

***Chemistry 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

***Chemistry 304. Theoretical Atomic, Molecular, and Chemical Physics**

Catalog Number: 0532

Eric J. Heller 1074

***Chemistry 311. Physical Chemistry**

Catalog Number: 2640

Charles M. Lieber 3102

***Chemistry 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 (on leave spring term)

***Chemistry 327. Theoretical Chemistry**

Catalog Number: 6064
Martin Karplus 1361

***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 (on leave spring term)

***Chemistry 350. Theoretical Physical Chemistry**

Catalog Number: 8285
Eugene I. Shakhnovich 3147

***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

***Chemistry 394. Chemical Biology and Proteomics**

Catalog Number: 8697

Gavin MacBeath 4347

***Chemistry 395. Organometallic Chemistry**

Catalog Number: 7447

M.-Christina White 3273

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*) (*on leave fall term*)

Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin (*Acting Chair, fall term*)

William R. Allan, Assistant Professor of the Classics

Carmen Arnold-Biucchi, Lecturer on the Classics

Kathleen M. Coleman, Harvard College Professor and Professor of Latin (*Director of Graduate Studies*)

John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature

Albert Henrichs, Eliot Professor of Greek Literature

Christopher P. Jones, George Martin Lane Professor of the Classics and of History

James Ker, Assistant Professor of the Classics (*Director of Undergraduate Studies*)



Elaheh Kheirandish, Lecturer on the Classics
Leah J. Kronenberg, Lecturer on the Classics
David G. Mitten, James Loeb Professor of Classical Art and Archaeology
Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature
Gloria Ferrari Pinney, Research Professor of Classical Archaeology and Art
Jeremy Rau, Assistant Professor of Classics and Linguistics
Betsey A. Robinson, Assistant Professor of the Classics
Eric W. Robinson, Associate Professor of the Classics and of History (*on leave fall term*)
Panagiotis Roilos, Assistant Professor of Modern Greek (*on leave spring term*)
Andreola Rossi, Assistant Professor of the Classics (*on leave fall term*)
Richard B. Rutherford, Visiting Professor of the Classics (*University of Oxford*)
Mark Schiefsky, Assistant Professor of the Classics (*on leave 2003-04*)
Gisela Striker, Walter C. Klein Professor of Philosophy and of the Classics
R. J. Tarrant, Pope Professor of the Latin Language and Literature, Harvard College Professor (*on leave fall term*)

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

James Ker 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 97a. Tutorial—Sophomore Year**

Catalog Number: 3965

Albert Henrichs

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

Two lectures and discussion section each week, introducing students to Greek culture through study of the literature, history, archaeology, and philosophy of Greek civilization from its beginnings to the Hellenistic Age.

***Classics 97b. Tutorial—Sophomore Year**

Catalog Number: 4839



James Ker

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

Two lectures and discussion section each week, introducing students to Roman culture through study of the literature, history, archaeology, and philosophy of Roman civilization from its beginnings to the fourth century CE.

***Classics 98r. Tutorial — Junior Year**

Catalog Number: 6100

James Ker and assistants

Half course (fall term; repeated spring term). Fall: Tu., 1–4; Spring: Th., 1–4. EXAM GROUP: 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

James Ker

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.

For Undergraduates and Graduates

[Classics 140. The Fall of the Roman Republic]

Catalog Number: 9989

Eric W. Robinson

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

A chronological study of the most significant events of the late Republican era, including the reform efforts of the Gracchi, the rise of Marius and Sulla, Cicero and Catiline, the first triumvirate, and ultimately the wars waged by Caesar for control of Rome, and his subsequent assassination.

Note: Expected to be given in 2004–05.

Classics 143. The Peloponnesian War

Catalog Number: 8783

Eric W. Robinson

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

An examination of the great war fought by the Athenian and Spartan alliances, starting with the reasons for its outbreak in 431 BC and continuing through to its end in 404 BC. Close reading of Thucydides' famous account will be combined with study of other ancient sources and with modern analyses.



Classics 191. Comparative Mythology

Catalog Number: 7718

Jeremy Rau

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

An introduction to the culture, myth and religion of the main ancient Indo-European traditions with special emphasis on Greek, Hittite and Indo-Iranian myth (and ritual) and its Indo-European background.

Note: All readings in English.

Classics 192. "From Alexandria to Baghdad": Classical Sciences in Islamic Lands

Catalog Number: 0531

Elaheh Kheirandish

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

A study of the transmission and transformation of classical sciences in the Islamic Middle Ages, with a focus on the early scientific traditions and institutions of Arabic and Persian speaking lands. We begin with the patronage and appropriation of Greek mathematical, philosophical, and medical sciences through a diverse group of translators and scientific authors. We also include a review of literature and reading of selected sources (in English) with attention to cross-cultural and inter-cultural contexts.

200-Level Seminars

Classics 251. Aiskhylos Oresteia

Catalog Number: 4250

Albert Henrichs

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

A thematic study of the *Oresteia* as a connected trilogy, with emphasis on the pivotal role of the *Khoephoroi*, on ritual language, and on the power of the dead.

Cross-listed Courses

Ancient Near East 131. Readings in the Septuagint

[Celtic 205r. Readings in Early Irish Prose]

[Comparative Literature 145. Dreams and Literature]

Comparative Literature 149. Irony

[*Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar]

[*Comparative Literature 280. Literary Theory and Criticism in the Middle Ages: Seminar]

***Comparative Literature 287r. Selected Topics in Poetics and Rhetoric: Seminar**

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

***Freshman Seminar 35u. The Wonders of the Ancient World**

[German 242 (formerly Comparative Literature 268). Germany and the Greeks: Philhellenism from Winckelmann to George (1755-1914)]

[Historical Study B-04. Ancient Greek Democracy]

[Historical Study B-06. The Roman Games]



[Historical Study B-09. The Christian Revolution]

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

***History 90i. Major Themes in Ancient History**

History 1085. The Roman Empire, Augustus to Constantine

[History 1092. The Emperor Hadrian: Conference Course]

History of Art and Architecture 13k. Introduction to Roman Art and Architecture

[History of Art and Architecture 101. The Materials of Art]

[History of Art and Architecture 130. Topography and Monuments of Ancient Rome]

[History of Art and Architecture 133. Greek Architecture and Urbanism]

[History of Art and Architecture 138. Hellenistic Art and Architecture]

History of Art and Architecture 233. Monuments of Archaeology: Antiquarianism and Architectural History, 1730-1940

Jewish Studies 124 (formerly Hebrew 179). Circumcision and Jewish Identity

Jewish Studies 125 (formerly History 1091). Jewish History in the Second and Post-Temple Period

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

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

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

Literature and Arts C-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

***Philosophy 108. Socrates: Proseminar**

***Philosophy 203. Hellenistic Ethics: Seminar**

[Religion 2348ab. Archaeology and the World of the New Testament: Seminar]

Graduate Courses of Reading and Research

***Classics 300. Direction of Doctoral Dissertations**

Catalog Number: 4543

Richard F. Thomas 1630 (on leave fall term), William R. Allan 3972, Carmen Arnold-Biucchi 4854 (spring term only), Kathleen M. Coleman 2289, John Duffy 1352, Albert Henrichs 4085, Christopher P. Jones 3204, James Ker 4379, David G. Mitten 1290, Gregory Nagy 1423, Gloria Ferrari Pinney 1384 (fall term only), Jeremy Rau 4657, Betsey A. Robinson 4361, Eric W. Robinson 2724 (on leave fall term), Panagiotis Roilos 1982 (on leave spring term), Andreola Rossi 3381 (on leave fall term), Mark Schiefsky 2354 (on leave 2003-04), Gisela Striker 2271, R. J. Tarrant 7503 ((on leave fall term)), and Jan Ziolkowski 7275

***Classics 301. Reading or Topics Course**

Catalog Number: 3457

Richard F. Thomas 1630 (on leave fall term), William R. Allan 3972, Kathleen M. Coleman 2289, John Duffy 1352, Albert Henrichs 4085, Christopher P. Jones 3204, James Ker 4379, David G. Mitten 1290, Gregory Nagy 1423, Jeremy Rau 4657, Betsey A. Robinson 4361, Eric W. Robinson 2724 (on leave fall term), Panagiotis Roilos 1982 (on leave spring term), Andreola



Rossi 3381 (*on leave fall term*), Mark Schiefsky 2354 (*on leave 2003-04*), Gisela Striker 2271, R. J. Tarrant 7503 (*on leave fall term*), 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 (*on leave fall term*), William R. Allan 3972, Kathleen M. Coleman 2289, John Duffy 1352, Albert Henrichs 4085, Christopher P. Jones 3204, James Ker 4379, David G. Mitten 1290, Gregory Nagy 1423, Jeremy Rau 4657, Betsey A. Robinson 4361 (*spring term only*), Eric W. Robinson 2724 (*on leave fall term*), Panagiotis Roilos 1982 (*on leave spring term*), Andreola Rossi 3381 (*on leave fall term*), Mark Schiefsky 2354 (*on leave 2003-04*), Gisela Striker 2271, R. J. Tarrant 7503 (*on leave fall term*), and Jan Ziolkowski 7275

***Classics 350. Classical Philology: Proseminar**

Catalog Number: 4026

Kathleen M. Coleman 2289

Half course (fall term). M., 2–4.

Designed to introduce graduate students in Classical Philology to the essential fields, tools, and methodologies of the discipline.

Note: For first-year students working toward the PhD in Classical Philology. Open to other students by permission of instructor.

Greek

Students who have studied classical Greek previously should register at the 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.

Primarily for Undergraduates

Greek A. Beginning Greek

Catalog Number: 0129

James Ker

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

James Ker

Full course (spring term). M. through F., at 9; M., at 1. EXAM GROUP: 2, 11

For students with little or no previous instruction in Greek who are seriously interested in making 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

James Ker

Half course (spring term). Sections M., W., Th., F., at 9, or 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

James Ker

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

James Ker

Half course (spring term). 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

James Ker

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

Practice in the translation of sentences and connected prose passages into Attic Greek; review of forms and syntax; readings of selections from prose authors.

Prerequisite: Greek 3 or equivalent.

Greek K. Advanced Greek Prose Composition

Catalog Number: 4171

William R. Allan

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

Composition in the prose style of various authors and genres, with selected readings representing the development of Greek prose and its analysis by scholars, ancient and modern.

Prerequisite: Greek H or equivalent.

Greek 102. Attic Orators

Catalog Number: 3103

Albert Henrichs

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

Extensive reading in Lysias, Isocrates, and Demosthenes, with emphasis on style, rhetorical devices, and political background. Selections based on undergraduate and graduate reading lists.



Greek 105. Aristophanes

Catalog Number: 1969

William R. Allan

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

Detailed study of Aristophanes and his genre, Old Attic Comedy. We discuss the comic poet's social and political roles, but also endeavour not to overlook his jokes. Both *Clouds* and *Frogs* are read in Greek.

[Greek 107. Thucydides]

Catalog Number: 8281

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

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.

Note: Expected to be given in 2004–05.

Greek 110r. Plato

Catalog Number: 6229

Gisela Striker

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

A close reading of three Platonic dialogues: *Ion*, *Euthyphro*, and *Charmides*.

Greek 111. Euripides

Catalog Number: 0919

Richard B. Rutherford (University of Oxford)

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

The last stage of Euripides' career, with special attention to two of his masterpieces, the *Orestes* and the *Bacchae*, seen in the context of the development of the genre of tragedy.

Greek 112a. History of Greek Literature I

Catalog Number: 3052

William R. Allan

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

We have 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

Gregory Nagy

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



The 5th century and beyond: Sophocles, Euripides, historiography, comedy, philosophy, oratory, and Hellenistic poetry.

Greek 123 (formerly Classics 248). Greek Choral Lyric Poetry

Catalog Number: 1907

Gregory Nagy

Half course (fall term). M., W., at 11. EXAM GROUP: 16, 17

An intensive study of the language and conventions of the genres and sub-genres, with special attention to the choral lyric poetry of Pindar, Bacchylides, Aeschylus, Sophocles, Euripides, and Aristophanes.

Greek 134. The Language of Homer

Catalog Number: 5139

Jeremy Rau

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.

Primarily for Graduates

Greek 201. Reading Greek

Catalog Number: 1968

Albert Henrichs

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

Readings of Greek prose and poetry ranging from archaic to imperial, with emphasis on variety, quantity, and quick comprehension of syntactic, stylistic, and generic features.

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 223), or the Freshman Dean's Office.

Primarily for Undergraduates

Latin A. Beginning Latin

Catalog Number: 4759

James Ker

Half course (fall term). Sections M., W., Th., F., at 9 or 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

James Ker and assistants

Full course (fall term; repeated spring term). M., through F., at 10; M., at 1. EXAM GROUP: 3, 12

For students with little or no previous instruction in Latin who are seriously interested in making 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

James Ker

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

James Ker

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

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

James Ker

Half course (spring term). M., W., at 10; F., at 11. EXAM GROUP: 3

Selections mainly from Ovid and Virgil.

For Undergraduates and Graduates



Latin H. Introductory Latin Prose Composition

Catalog Number: 3814

R. J. Tarrant and Leah J. Kronenberg

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., 2–4. EXAM GROUP: 7, 8

Exercise in the prose style of different authors and periods, working within various subject-areas and genres. As a guide to composition, we will read and analyze illustrative passages from major authors including Cato, Cicero, Sallust, Livy, Seneca, and Tacitus, as well as some distinctive styles in lesser-known authors; we will also consult discussions of rhetoric and prose style by theorists such as Cicero, Seneca, and Quintilian.

Latin 102 (formerly Latin 102a). Catullus

Catalog Number: 7558

Leah J. Kronenberg

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

Catullus revolutionized Roman poetry. Focusing on the complex literary culture of late Republican Rome, the course aims to show how this revolution came about and what its consequences were.

Latin 105. Pliny

Catalog Number: 0939

Kathleen M. Coleman

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

Selections from the nine books of private letters by the younger Pliny, and from the tenth book, comprising his correspondence with the emperor Trajan. Emphasis is laid upon full comprehension of Pliny's language and style. We explore questions including Pliny's contribution to the genre of letter-writing; the role of literature under an autocracy, benevolent or otherwise; the *Letters* as a representation of contemporary life and events; written communication as an instrument of government.

Latin 106a. Virgil: *Eclogues* and *Georgics*

Catalog Number: 1456

James Ker and Leah J. Kronenberg

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

Richard F. Thomas

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

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, Politician and Advocate

Catalog Number: 5015

Christopher P. Jones

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

Readings of Cicero's *In Catilinam* and *Pro Caelio* with attention to style and language, and to Cicero as a master of political invective and legal persuasion.

Latin 111a. Horace: Satires and Epistles

Catalog Number: 3348

Richard B. Rutherford (University of Oxford)

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Examines a selection of poems from both works in detail, to illuminate Horace's poetic development, attitudes to politics, patrons and power, and his philosophy of life.

Latin 112a. History of Latin Literature I

Catalog Number: 7099

R. J. Tarrant

Half course (fall term). M., W., F., at 11; and a weekly 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

James Ker

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

Readings from the early Empire focusing on the changing social and ideological functions of literature, with attention to different interpretive approaches.

Latin 115. Tacitus

Catalog Number: 7536

Christopher P. Jones

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

Reading of Tacitus, *Histories* Book I and *Annals* Book IV, with attention to style and language, and to Tacitus' artistry in the presentation of characters and events.



[Latin 134. Archaic Latin]

Catalog Number: 1327

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 2004–05.

Primarily for Graduates

Latin 201. Reading Latin

Catalog Number: 7642

Kathleen M. Coleman

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

Readings of Latin prose and poetry ranging from archaic to imperial, with emphasis on variety, quantity, and quick comprehension of syntactic, stylistic and generic features.

Medieval Greek

For Undergraduates and Graduates

Medieval Greek 115ar. Introduction to Byzantine Greek

Catalog Number: 7682

John Duffy

Half course (fall term). Tu., Th., at 9. EXAM GROUP: 11

Introduces the student to medieval Greek language and literature and, through selected readings, to important elements of Byzantine culture and society. Texts chosen from different genres and periods to reflect the great diversity of Byzantine life and letters. Types of literature will include: devotional reading, biographies, chronicles, sacred and secular poetry, letters, ecphraseis, scholarly writings, and histories. Choice of readings will correspond in part to the specific interests and needs of the participants.

Prerequisite: Greek A and B or equivalent.

Medieval Greek 120. Readings in the Cappadocian Fathers

Catalog Number: 3786

John Duffy

Half course (spring term). Tu., Th., at 9. EXAM GROUP: 11

Close reading of selections from the Christian “classics” of the fourth century: Basil of Caesarea, Gregory of Nazianzos, and Gregory of Nyssa. A guiding motif will be Hellenic paideia and Christian culture.

Prerequisite: Three terms of Classical or Medieval Greek, or equivalent.

Medieval Greek 185. Workshop in Greek Paleography

Catalog Number: 3271

John Duffy

Half course (fall term). Th., 4–6. EXAM GROUP: 18



A practical introduction to medieval Greek handwriting and manuscripts, tracing the main developments of Greek scripts from the uncial of fourth century texts to scholarly hands of the 16th century. Special emphasis on practical skills. Participants will learn to distinguish the major styles of handwriting, to recognize the most common abbreviations and ligatures, and to read with some facility minuscule hands, especially those of the 11th-16th century. Manuscripts of Classical, Christian, and Byzantine authors explored.

Cross Listed Courses

Religion 2426. Editing Greek Christian Literature: Seminar

Medieval Latin

For Undergraduates and Graduates

Medieval Latin 105 (formerly Medieval Latin 205). The Poems of Walter of Aquitaine

Catalog Number: 9120

Jan Ziolkowski

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

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 Latin.

Medieval Latin 117. Fairy Tales and Their Tellers in the Middle Ages

Catalog Number: 3179

Jan Ziolkowski

Half course (spring term). Tu., Th., at 2. EXAM GROUP: 16

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.

Prerequisite: Completion of Latin 4 or other preparation in Latin satisfactory to the instructor.

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 G. 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 2004–05.

Classical Archaeology 136. Archaeology of the Aegean Bronze Age

Catalog Number: 7582

David G. Mitten

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

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 140. The Parthenon]

Catalog Number: 8973

David G. Mitten

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

From their construction to their recent evocation in Nashville, the Parthenon, and the colossal statue of Athena it housed, have held a special place in the history of Western civilization. They have come to symbolize fundamental cultural ideals. Offers a view into the making of the myth by restoring the temple to the specific historical and political circumstances of its creation.

Note: Expected to be given in 2004–05.

Classical Archaeology 154. Cities of the Roman East

Catalog Number: 4199

Betsey A. Robinson

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

An exploration of cities, sanctuaries, and monuments of the eastern Roman empire, from Asia Minor to Arabia. Site-surveys and case-studies trace the evolution of major centers (e.g. Ephesos, Antioch, Jerusalem, Palmyra), examine the interplay between imported and indigenous building-forms, and plumb the depth of provincial Romanitas. Topics include public and private architecture and decorative arts, expressions of ethnic and urban identity, issues of patronage, and questions of continuity across temporal and spatial boundaries.

Classical Archaeology 160. Vase-painting and Iconography

Catalog Number: 7289

David G. Mitten

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

The painted vases constitute a rich body of evidence for the study of the history, art, and culture of ancient Greece. Historians and archaeologists rely on ceramics to establish dates and to chart contacts in the Mediterranean. For the art historian the vases open a window on the development



of the visual arts. Most importantly, they preserve thousands of figural representations, which are invaluable sources of knowledge for the conceptual universe of the society that produced them.

[Classical Archaeology 180. Coinage, Politics, and Economy in the Greek World]

Catalog Number: 1746

David G. Mitten

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

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: Expected to be given in 2004–05.

Prerequisite: Some previous work in classical literature, archaeology or ancient history.

Primarily for Graduates

Classical Archaeology 256. Greeks and Persians

Catalog Number: 4229

David G. Mitten

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

Achaemenian Persian art and kingship. Pasargadae, Persepolis, Athens. The Persian Wars in Greek and Persian sources. Greek-Persian interactions and influences from Cyrus to Alexander. Persians as “the other”.

Cross-listed Courses

History of Art and Architecture 233. Monuments of Archaeology: Antiquarianism and Architectural History, 1730-1940

[Religion 2348ab. Archaeology and the World of the New Testament: Seminar]

Graduate Course of Reading and Research

***Classical Archaeology 351 (formerly *Classics 351). Classical Archaeology Proseminar**

Catalog Number: 5073

Kathleen M. Coleman 2289

Half course (fall term). .

Designed to introduce graduate students in Classical Archaeology to the essential fields, tools, and methodologies of the discipline.

Note: For first-year students working toward the PhD in Classical Archaeology. Open to other students by permission of the instructor.

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 an additional 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. M., at 5, Tu., at 4, W., at 3. EXAM GROUP: Fall: 8, 18

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 term is conducted in Greek and focuses on topics selected by the instructor and the students in the first term. Grammar is reviewed in the context of readings.

Prerequisite: An elementary knowledge of modern Greek (equivalent to that of Modern Greek A).

***Modern Greek 100 (formerly Modern Greek C). Advanced Modern Greek: Introduction to Modern Greek Literature**

Catalog Number: 8487

Panagiotis Roilos

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

Close literary and linguistic analysis of selected readings in prose, theatre, poetry, and folksongs.

Note: Conducted in Greek. Students must have completed Modern Greek B or equivalent and must have permission of the instructor.

Primarily for Graduates

Modern Greek 200. Exploring Modernism: The Poetry of C.P. Cavafy and G. Seferis

Catalog Number: 1973

Panagiotis Roilos

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

Explores the ways in which Cavafy and Seferis responded to modernist aesthetics and constructed their personal poetic mythology. Topics include: tradition and modernism, nostalgia and memory, poetics and desire.

[Modern Greek 201. Imagining the Ancients: The Classical Tradition in Modern Greek Literature]

Catalog Number: 9636

Panagiotis Roilos

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

Explores the ways in which classical tradition has been manipulated in 19th and 20th century



Greek literature and has contributed to the formation of modern Greek literary canon.

Note: Expected to be given in 2004–05.

Cross-listed Courses

[Comparative Literature 145. Dreams and Literature]

[Comparative Literature 149. Irony](#)

Comparative Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Comparative Literature

William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature (*Chair*)

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature (*on leave fall 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 (*on leave spring term*)

Luis M. Girón Negrón, Assistant Professor of Comparative Literature and of Romance Languages and Literatures

John T. Hamilton, Assistant Professor of Comparative Literature and of Germanic Languages and Literatures

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*on leave 2003-04*)

Despina Kakoudaki, Assistant Professor of Visual and Environmental Studies and of Comparative Literature (*on leave 2003-04*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Stephen Owen, James Bryant Conant University Professor

Judith Ryan, Robert K. and Dale J. Weary Professor of German and Comparative Literature (*Director of Graduate Studies*)

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English

Diana Sorensen, Professor of Romance Languages and Literatures and of Comparative Literature

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature



Ruth R. Wisse, Harvard College Professor, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature

Other Faculty Offering Instruction in the Department of Comparative Literature

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature (*on leave fall term*)
Karl S. Guthke, Kuno Francke Professor of German Art and Culture (*on leave fall term*)
Panagiotis Roilos, Assistant Professor of Modern Greek (*on leave spring term*)
Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

This field is organized to facilitate the systematic study of subjects and problems common to the various literatures. Programs leading to the degrees of AM and PhD 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 111. From Type to Self in the Middle Ages

Catalog Number: 9245

Luis M. Girón Negrón

Half course (spring term). M., W., 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 2004–05. All readings in English translation.

[Comparative Literature 135. Literature and the Visual Arts: Iconophilia and Iconoclasm]

Catalog Number: 2415



John T. Hamilton

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

Addresses literature's ambivalence toward image. Topics include ekphrasis, the erotics of vision, anti-ocularism, image-prohibition, Christian incarnation, emblems, hieroglyphs, *calligrammes*, etc. Select texts from the European Baroque, French Symbolism, Modernism, and German Expressionism.

Note: Expected to be given in 2004–05.

[Comparative Literature 145. Dreams and Literature]

Catalog Number: 1446

Panagiotis Roilos

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

Against the dual background of ancient and medieval commentaries on the one hand, and modern psychoanalytic and ethnographic studies on the other, diverse literary texts will be explored. The major focus will be on Greek literature, but examples from other European literatures will also be considered (including film). Major topics: typology of dreams; dreams as narratives; dreaming and writing; religious dimensions. Theoretical readings to include: Aristotle, Aelius Aristides, Artemidorus, Synesius of Cyrene; Freud, Jung, Levi-Strauss, Foucault, Lyotard.

Note: Expected to be given in 2004–05.

Comparative Literature 149. Irony

Catalog Number: 9984

Panagiotis Roilos

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

Explores major philosophical and aesthetic discourses on irony as well as literary manipulations of the trope in western European tradition. Topics discussed include irony and rhetoric, parody, laughter, irony, and the post-modern.

[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 2004–05. 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). Hours to be arranged.

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?” We address 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.

Note: Expected to be given in 2004–05.

[Comparative Literature 158. Turning the Century: Culture, Technology, and Representation, 1870-1910]

Catalog Number: 9311

Despina Kakoudaki

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

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.

Note: Expected to be given in 2004–05.

Comparative Literature 160. Literary Forgeries and Mystifications

Catalog Number: 3614

George G. Grabowicz

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

Examines literary forgeries and mystifications from the late 18th century to the present, focusing on their poetics, their ideological motivation and their role in modern political mythmaking (some texts considered: Ossian, The Igor Tale, the Czech manuscripts, the Protocols of the Elders of Zion, Ern Malley). Also considers the psychology and esthetics of simulation and mystification as reflected in the works of Gide, Borges, Nabokov, Pavic, Eco, and Calvino.

Note: All readings in English.

[Comparative Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course]

Catalog Number: 7762

George G. Grabowicz

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

Psychological, mythic, “catastrophist,” and comic tendencies in the Eastern and Central European novel between the two World Wars (1918–1939). Focus on Kafka, Capek, Bulgakov, Schulz, Witkiewicz, Gombrowicz, and Nabokov.

Note: Expected to be given in 2004–05. 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). Hours to be arranged.

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 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 US.

Note: Expected to be given in 2004–05.



[Comparative Literature 166. The Comic Tradition in Jewish Culture]

Catalog Number: 3418

Ruth R. Wisse

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

Studies some of the genres, subjects, theories and uses of comedy in Jewish culture. Examines instances of Jewish humor from the Bible to contemporary stand-up and TV comedy. Does humor have a national dimension? Are Jews predisposed to comedy, and if so, why?

Note: Expected to be given in 2004–05. 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 (fall term). Hours to be arranged.

Examines a series of novels from 1980 to the present that build consciously on recent literary and cultural theory. Also explores the relation of fictional narrative to history, social problems, and ideology. Authors treated include: Don DeLillo, Marguerite Duras, John Irving, David Malouf, Christoph Ransmayr, Patrick Süsskind, Graham Swift, and Christa Wolf. Theorists include: Barthes, Bhabha, Baudrillard, Derrida, Hassan, Lacan, and White.

Note: Expected to be given in 2004–05.

***Comparative Literature 172 (formerly *Comparative Literature 269). Paralysis**

Catalog Number: 8517

Marc Shell

Half course (spring 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.

[Comparative Literature 174. American Babel]

Catalog Number: 2546

Marc Shell

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

Using original source materials in bilingual, facing-page format, we study the non-English languages and literatures of what is now the US. We focus on dubbing, subtitling, and lip-synching in cinema; translation, dialect, and mixed languages in poetry; accent and dialect in drama; narrative structure in bilingual novels; and general issues of literacy and multilingualism in America. Our purview will include French, German, Spanish, Arabic, Russian, and native American dialects as well as English.

Note: Expected to be given in 2004–05. Special arrangements for receiving foreign-language credit from home department.

Prerequisite: Knowledge of one non-English language.

[Comparative Literature 183. Film and the Human Body]

Catalog Number: 8403



Despina Kakoudaki

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

This class explores the challenges of representing the human body on film. Working through a variety of traditions and theoretical models, we will study the cinematic body as a presence and as a surface, and think about how it reflects our assumptions about interiority, potentiality, emotional content, transformability, and resilience. We will address issues of gender, race and sexuality through feminist, phenomenological and post-structuralist film theory.

Note: Expected to be given in 2004–05. No background in film history or theory required.

Primarily for Graduates

[*Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar]

Catalog Number: 7426

Gregory Nagy

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

Genres, forms, and themes of oral traditions in poetry and prose. Theories of performance and composition. Comparative metrical and formulaic analysis.

Note: Expected to be given in 2004–05. 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). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

[*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). Hours to be arranged.

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: Expected to be given in 2004–05. 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 (fall term). M., 4–6. EXAM GROUP: 9

Examines trends 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. Also examines premodern mystical literature in selected works by modern authors (Borges, T.S. Eliot, Goytisolo) and literary theorists (DeCerteau.)

Note: Offered jointly with the Divinity School as 3802.

[*Comparative Literature 227. Fictions of Kin and Kind in the Renaissance: Seminar]

Catalog Number: 2026 Enrollment: Limited to 15.

Marc Shell

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

Begins with arguments that kinship is unknowable and hence fictive, moves on to ideas about nationhood, friendship, the human-animal distinction, family adoption, and orphanhood. Considers the claim that “All men are brothers.” Texts include Shakespeare, Marguerite of Navarre, Elizabeth I, Rabelais, and others.

Note: Expected to be given in 2004–05.

***Comparative Literature 253. Literature and Politics: The New York Intellectuals**

Catalog Number: 1367

Ruth R. Wisse

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

Seminar on the first and probably only European-style intelligentsia to develop in America; their creative negotiation between Europe and America; Yiddish and English; Christian and Jewish cultures; highbrow and lowbrow; literature and politics; Marxism and Modernity.

Note: 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: nostalgia and search for newness, collective and individual memory, conspiracy theories and ethics of remembering, modern “memory sites.” Special attention to contemporary East-European reflection on art, memory, and nation.

Note: Expected to be given in 2004–05. 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). Tu., 2–4. EXAM GROUP: 16, 17

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: Approaching Early Cinema]

Catalog Number: 6060

Despina Kakoudaki

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

Explores the emergence of the moving image, and the narrative and representational developments of the first 20 years of film production. Focuses on innovation, film techniques and technologies, by major early studios and filmmakers.

Note: Expected to be given in 2004–05.

Comparative Literature 275. Theory of Narrative: Conference Course

Catalog Number: 3105 Enrollment: Limited to 15.

William Mills Todd III

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

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 and discussion of them with reference to specific fictional and non-fictional narratives.

Note: Open to advanced undergraduates and graduates. Recommended for potential teaching fellows.

[Comparative Literature 278. Moses and Multiculturalism]

Catalog Number: 8457

Barbara E. Johnson

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

Moses has long been associated with monotheism, but his story is also a story of combining at least two cultures--Egyptian and Hebrew, ruler and slave. We will read the book of Exodus to see how Moses's multiculturalism is handled there, and then we proceed to other versions of the story, in order to analyze the uses to which the story has been put.

Note: Expected to be given in 2004–05.

[*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 from Augustine to Dante and Boccaccio.

Note: Expected to be given in 2004–05.

[*Comparative Literature 283. Language War: Seminar]

Catalog Number: 9342



Marc Shell

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

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.

Note: Expected to be given in 2004–05. Open to undergraduates by special permission.

***Comparative Literature 287r. Selected Topics in Poetics and Rhetoric: Seminar**

Catalog Number: 7999

Gregory Nagy

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

Points of departure: Aristotle's *Poetics* and *Rhetoric*.

Note: Knowledge of Greek not required. Qualified undergraduates welcome.

***Comparative Literature 299ar. Literary Theory: Proseminar**

Catalog Number: 2431

John T. Hamilton and Barbara E. Johnson

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

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.

Cross-Listed Courses

English 187d. American Literatures in Languages Other than English

***English 251. Comparative Romantic Theory: Graduate Seminar**

German 180 (formerly Comparative Literature 215). Melopoeia: On German Music and Letters

***Literature 142. Topics in Philosophy and Literature**

Graduate Courses of Reading and Research

***Comparative Literature 396. Preparation for the General Examinations**

Catalog Number: 4570

Svetlana Boym 1926 (on leave fall term), Joaquim-Francisco Coelho 7715, James Engell 8076 (on leave spring term), Luis M. Girón Negrón 3060, John T. Hamilton 3977, Barbara E. Johnson 7626 (on leave 2003-04), Despina Kakoudaki 3979 (on leave 2003-04), Gregory Nagy 1423, Stephen Owen 7418, Judith Ryan 1135, Marc Shell 3176, Diana Sorensen 4214, Susan R. Suleiman 7234, William Mills Todd III 1634, and Ruth R. Wisse 3177

***Comparative Literature 397. Direction of Doctoral Dissertations**

Catalog Number: 0320

Svetlana Boym 1926 (on leave fall term), Joaquim-Francisco Coelho 7715, James Engell 8076 (on leave spring term), Luis M. Girón Negrón 3060, John T. Hamilton 3977, Barbara E. Johnson



7626 (on leave 2003-04), Despina Kakoudaki 3979 (on leave 2003-04), Gregory Nagy 1423, Stephen Owen 7418, Judith Ryan 1135, Marc Shell 3176, Diana Sorensen 4214, Susan R. Suleiman 7234, William Mills Todd III 1634, and Ruth R. Wisse 3177

***Comparative Literature 399. Reading and Research**

Catalog Number: 2893

Svetlana Boym 1926 (on leave fall term), Joaquim-Francisco Coelho 7715, James Engell 8076 (on leave spring term), Luis M. Girón Negrón 3060, John T. Hamilton 3977, Barbara E. Johnson 7626 (on leave 2003-04), Despina Kakoudaki 3979 (on leave 2003-04), Gregory Nagy 1423, Stephen Owen 7418, Judith Ryan 1135, Marc Shell 3176, Diana Sorensen 4214, Susan R. Suleiman 7234, William Mills Todd III 1634, and Ruth R. Wisse 3177

Candidates for the doctoral degree in Comparative Literature may pursue advanced studies under the individual supervision of these instructors.

Note: Permission of the instructor and the Chairman of the Department required.

Computer Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Division of Engineering and Applied Sciences Offering Instruction in Computer Science

David M. Brooks, Assistant Professor of Computer Science on the Gordon McKay Endowment
Nir Friedman, Visiting Associate Professor of Computer Science (*Hebrew University of Jerusalem*)

Steven J. Gortler, Robert I. Goldman Professor of Computer Science (*Director of Undergraduate Studies*) (on leave 2004-05)

Craig Gotsman, Visiting Associate Professor of Computer Science (*Technion, Israel Institute of Science*)

Barbara J. Grosz, Higgins Professor of Natural Sciences (on leave spring term)

H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering

Henry H. Leitner, Senior Lecturer on Computer Science

Harry R. Lewis, Harvard College Professor and Gordon McKay Professor of Computer Science (on leave spring term)

Michael D. Mitzenmacher, John L. Loeb Associate Professor of the Natural Sciences

John G. Morrisett, Allen B. Cutting 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 (*on leave 2004-05*)

David C. Parkes, Assistant Professor of Computer Science on the Gordon McKay Endowment
Avrom J. Pfeffer, Associate Professor of Computer Science on the Gordon McKay Endowment
Michael O. Rabin, Thomas J. Watson, Sr. Professor of Computer Science (*on leave spring term*)
Norman Ramsey, Associate Professor of Computer Science on the Gordon McKay Endowment
Mema Roussopoulos, Assistant Professor of Computer Science on the Gordon McKay Endowment
Margo I. Seltzer, Herchel Smith Professor of Computer Science
Stuart M. Shieber, Harvard College Professor and James O. Welch, Jr. and Virginia B. Welch Professor of Computer Science
Michael D. Smith, Gordon McKay Professor of Computer Science and Electrical Engineering
Salil P. Vadhan, Assistant Professor of Computer Sciences on the Gordon McKay Endowment (*on leave fall term*)
Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics
James H. Waldo, Lecturer on Computer Science (*spring term only*)
Gu-Yeon Wei, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
Matthew D. Welsh, Assistant Professor of Computer Science on the Gordon McKay Endowment
Woodward Yang, Visiting Professor of Electrical Engineering and Computer Science

Other Faculty Offering Instruction in Computer Science

Marco Iansiti, David Sarnoff Professor of Business Administration (*Business School*)

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 course programs at the undergraduate level may be obtained from the Academic Office, Pierce Hall 110. 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 110. The Applied Mathematics and Engineering Sciences sections of the catalog should be consulted for additional courses relevant to computer science. In addition, attention is called to the following courses in related fields: Quantitative Reasoning 20; Applied Mathematics 106, 107; General Education 156; Linguistics 112a, 112b; Philosophy 144; Physics 123; and Statistics 110, 111, 171.

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

Catalog Number: 4949

Michael D. Smith

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

Computer Science 51. Introduction to Computer Science II

Catalog Number: 3411

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.

Supervised individual study of advanced topics in computer science. A student wishing to enroll in Computer Science 91r must be accepted by a faculty member who will supervise the course work. A form available from Pierce Hall 110, must be filled out and signed by the student and faculty supervisor. Students writing theses may enroll in this course while conducting thesis research and writing.

Note: At most two terms of Computer Science 91r may be taken for academic credit. May not be taken Pass/Fail. Students wishing more information about the range of suitable projects or faculty supervisors should consult the Director of Undergraduate Studies.

***Computer Science 96. System Design Projects**

Catalog Number: 7499 Enrollment: Limited to 20.

Stuart M. Shieber and members of the Faculty

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

Cooperative design, development, and testing of a sizable and realistic computer network system. Students gain experience both in software development and system lifecycle issues, and in the area of application. We concentrate on mathematical modeling for prediction. The target application is prediction of student enrollments based on historical data, as raised by the recent discussions of preregistration. Students work in groups; both student participation in the classroom and effective group cooperation outside the classroom are stressed.

Prerequisite: Computer Science 51.

For Undergraduates and Graduates



[Computer Science 120. Introduction to Cryptography]

Catalog Number: 5911

Salil P. Vadhan

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

Algorithms to guarantee privacy and authenticity of data during communication and computation. Rigorous proofs of security based on precise definitions and assumptions. Topics may include one-way functions, private-key and public-key encryption, digital signatures, pseudorandom generators, higher-level protocols such as electronic cash, and the role of cryptography in network and systems security.

Note: Expected to be given in 2004–05.

Prerequisite: Computer Science 121 or Computer Science 124.

Computer Science 121. Introduction to Formal Systems and Computation

Catalog Number: 0669

Harry R. Lewis

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

General introduction to formal systems and the theory of computation. Elementary treatment of automata, formal languages, computability, uncomputability, computational complexity, NP-completeness, and mathematical logic.

Computer Science 124. Data Structures and Algorithms

Catalog Number: 5207

Michael D. Mitzenmacher

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

Design and analysis of efficient algorithms and data structures. Algorithm design methods, graph algorithms, approximation algorithms, and randomized algorithms are covered.

Prerequisite: Computer Science 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 127. Computational Geometry

Catalog Number: 7377

Craig Gotsman (Technion, Israel Institute of Science)

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

Basic techniques, data structures, combinatorics, and algorithms for solving geometric problems. Examples are convex hulls, Voronoi diagrams, point set, and polygon triangulation. Range search, linear programming, and point location. Some theoretical and programming exercises.

Prerequisite: Computer Science 124.

Computer Science 141. Computing Hardware

Catalog Number: 4357

Woodward Yang

Half course (fall term). M., W., 1–2:30, and a two-hour weekly laboratory. EXAM GROUP: 6, 7

Introduction to the design, structure, and operation of digital computers; logic circuits and digital electronics; computer arithmetic; computer architecture; and machine language programming. Consideration of the design interactions between hardware and software systems.

Prerequisite: Computer Science 50.



Computer Science 143. Computer Networks

Catalog Number: 6401

H. T. Kung

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

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. Networks Design Projects

Catalog Number: 5415

H. T. Kung and Marco Iansiti (Business School)

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

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: Preference 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

David M. Brooks

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

Review of fundamental structures in modern microprocessor and computer system architecture design. Topics include computer organization, instruction set design, memory system design, pipelining, and other techniques to exploit parallelism. System level topics include storage subsystems and basics of multiprocessor systems. Emphasis on quantitative evaluation of design alternatives while considering design metrics such as performance and power dissipation.

Prerequisite: Computer Science 141.

Computer Science 148. Design of VLSI Circuits and Systems

Catalog Number: 1772 Enrollment: Limited to 16.

Gu-Yeon Wei

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

Presentation of concepts and techniques for the design and fabrication of VLSI systems and digital MOS integrated circuits. Topics include: basic semiconductor theory; MOS transistors and digital MOS circuits design; synchronous machines, clocking, and timing issues; high-level description and modeling of VLSI systems; synthesis and place and route design flows; and testing of VLSI circuits and systems. Various CAD tools for design, simulation, and verification are extensively used.

Prerequisite: Computer Science 141 or permission of instructor.

**Computer Science 152. 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 influences on language design. Case studies, reinforced by programming exercises. Advanced languages, abstraction mechanisms. Includes functional, object-oriented, and logic paradigms. Focuses on practice, but covers formal topics crucial for intellectual rigor: abstract syntax, lambda calculus, type systems, and dynamic semantics. Grounding sufficient to read professional literature.

Prerequisite: Computer Science 121. Students must have excellent programming skills, be comfortable with recursion, basic mathematical ideas and notations.

Computer Science 153. Principles of Programming Language Compilation

Catalog Number: 2842

Michael D. Smith

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

Implementation of efficient interpreters and compilers for programming languages. Associated algorithms and pragmatic issues. Emphasizes practical applications including those outside of programming languages proper. Also shows relationships to programming-language theory and design. Participants build a working compiler including lexical analysis, parsing, type checking, code generation, and register allocation. Exposure to run-time issues and optimization.

Prerequisite: Computer Science 51.

Computer Science 161. Operating Systems

Catalog Number: 4347

Matthew D. Welsh

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

The fundamental principles of resource management and abstraction in modern operating systems. Control abstractions: threads, processes, scheduling, synchronization. Storage abstractions: dynamic memory allocation, virtual memory, file system design. Communication abstractions: interprocess communication, networking. Case studies. Design and implementation of parts of a multiuser multitasking virtual-memory operating system.

Prerequisite: Computer Science 51.

Computer Science 175. Computer Graphics

Catalog Number: 3771

Steven J. Gortler

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

The computational aspects of computer graphics. Two major themes are image rendering (viewing transformations, clipping, visible-surface processing, raster algorithms, reflection models, lighting models, surface shading, antialiasing, ray tracing, radiosity, and volume rendering) and scene modeling (modeling transformations, curves and surfaces, texture mapping, data-amplification techniques, constructive solid geometry, scalar- and vector-field data, and animation). Ancillary topics include color compression, image compression, image compositing,



graphical user interfaces, and special machine architectures for computer graphics.

Prerequisite: Computer Science 51, Applied Mathematics 21b or Mathematics 21b.

Computer Science 181. Intelligent Machines: Perception, Learning, and Uncertainty

Catalog Number: 6454

Avrom J. Pfeffer

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

Introduction to artificial intelligence, focusing on problems of perception, machine learning and reasoning under uncertainty. Supervised learning algorithms. Neural networks and applications to character recognition. Statistical pattern recognition. Bayesian networks: representation, inference and learning. Hidden Markov models and applications to speech recognition. Markov decision processes and reinforcement learning.

Prerequisite: Computer Science 51 and Computer Science 121. Statistics 110 is recommended.

Computer Science 182. Intelligent Machines: Reasoning, Actions, and Plans

Catalog Number: 0134

David C. Parkes

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

Introduction to AI, focused on problems in reasoning about action and rational decision making. Search: constraint satisfaction; informed search and optimization; game playing. Knowledge representation and logical inference. Planning: representation, search and heuristics. Bounded rationality, situated agents. Multiagent systems. Discussion of relevant work in philosophy, economics, and decision theory. Applications to scheduling, robotics and e-commerce.

Prerequisite: Computer Science 51; Computer Science 121 (may be taken concurrently).

Computer Science 187. Computational Linguistics

Catalog Number: 0249

Stuart M. Shieber

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

Introduction to computational linguistics, the study of human language using the tools and techniques of computer science, with applications to a variety of natural-language-processing problems. Representing syntactic structure: context-free, augmented context-free, and trans-context-free grammars. Representing semantic structure: first-order and higher-order logics. Computing with syntactic and semantic representations: Prolog programming; parsing and generation algorithms. Low-level language processing with finite-state methods.

Prerequisite: Computer Science 121.

Primarily for Graduates

[Computer Science 220r. Cryptography: Trust and Adversity]

Catalog Number: 1637

Michael O. Rabin

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

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 2004–05.

Computer Science 221. Computational Complexity

Catalog Number: 5812

Leslie G. Valiant

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

A quantitative theory of the resources needed for computing and the impediments to efficient computation. The models of computation considered include ones that are finite or infinite, deterministic, randomized, quantum or nondeterministic, discrete or algebraic, sequential or parallel.

Prerequisite: Computer Science 121 or equivalent.

Computer Science 222. Algorithms at the Ends of the Wire

Catalog Number: 2493

Michael D. Mitzenmacher

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

Covers topics related to algorithms for big data, especially related to networks. Themes include compression, cryptography, coding, and information retrieval related to the World Wide Web. Requires a major final project.

Prerequisite: Computer Science 124.

[Computer Science 223. Probabilistic Analysis and Algorithms]

Catalog Number: 4740

Michael D. Mitzenmacher

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

Probabilistic techniques and tools for the design and analysis of algorithms. Reading of current research in the area will be required.

Note: Expected to be given in 2004–05.

Prerequisite: Computer Science 124. Preferably additional probability, such as in Computer Science 226r, Statistics 110, or Mathematics 191.

Computer Science 224r. Randomness in Computation

Catalog Number: 3380

Michael O. Rabin

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

The surprising efficacy of randomization in the solution of algorithmic and computer science problems. Applications include number theory, cryptography, finite fields, computational geometry, routing, parallel algorithms, pattern matching, distributed systems, self-checking programs, probabilistically checkable proofs.

Computer Science 225. Pseudorandomness

Catalog Number: 4869

Salil P. Vadhan



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

Efficiently generating objects that “look random” despite being constructed using little or no randomness. Connections and applications to computational complexity, cryptography, and combinatorics. Pseudorandom generators, randomness extractors, expander graphs, error-correcting codes, hash functions.

Prerequisite: Exposure to randomized algorithms (as in Computer Science 124), computational complexity (as in Computer Science 121), and algebra (as in Applied Mathematics 106, Mathematics 123, or Computer Science 226r).

[Computer Science 226r. Efficient Algorithms]

Catalog Number: 1749

Michael O. Rabin

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

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.

Note: Expected to be given in 2004–05.

[Computer Science 228. Computational Learning Theory]

Catalog Number: 0364

Leslie G. Valiant

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

Possibilities of and limitations to performing learning by computational agents. Topics include computational models, polynomial time learnability, learning from examples and learning from queries to oracles. 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 2004–05.

Prerequisite: Computer Science 121 or equivalent.

Computer Science 232. Introduction to Computational Molecular Biology

Catalog Number: 9480

Nir Friedman (Hebrew University of Jerusalem)

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

Computational methods in molecular biology research. Emphasis on modeling and algorithmic aspects for computational tasks posed by recent genomic data. Sequence models, alignment, sequence motifs, protein families, phylogenetic inference, gene expression analysis, clustering, regulation networks.

Prerequisite: Computer Science 121, 124, and 181, or approval of the instructor. Background in biology, especially molecular biology of the cell, is useful but not required.

Computer Science 244r. Advanced Networks Design Projects

Catalog Number: 3018

H. T. Kung and Marco Iansiti (Business School)



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

The contents and course requirements are similar to those of Computer Science 144r, with the exception that students enrolled in Computer Science 244r are expected to do substantial implementation of a subsystem related to their business plan. In addition, demonstration and documentation of the implementation are required.

Note: Preference given to upper-class undergraduates or graduate students in computer science or in business who are proficient in computer programming or in business software. Offered jointly with the Business School as 4560.

Prerequisite: Computer Science 143 or equivalent experience.

***Computer Science 246. Advanced Computer Architecture**

Catalog Number: 0979

David M. Brooks

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

Discusses research papers on computer architecture with a special focus on the impact of technology trends (power, thermal, VLSI scaling, reliability) on high-performance computer systems. Considers traditional superscalar as well as embedded processors. Requires a major research project.

Prerequisite: Computer Science 146 or permission of the instructor.

[Computer Science 251. Advanced Systems Programming]

Catalog Number: 5566

Norman Ramsey

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

Case studies of classic problems in computer systems. Students read, understand, implement, and present each study. Develops deep understanding of programming techniques used in systems research. Emphasizes programming, discussion, and presentation. Cases matched to student interests.

Note: Expected to be given in 2004–05.

Prerequisite: One of the following: Computer Science 143, Computer Science 152, Computer Science 153, Computer Science 161, or Computer Science 175.

Computer Science 252r. Advanced Topics in Programming Languages

Catalog Number: 1986

Norman Ramsey

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

Advanced functional programming. Lazy evaluation, monads. Folds and unfolds. Combinators for parsing and prettyprinting. Modules systems. Type systems: polymorphism and overloading, type and constructor classes, higher-order kinds, higher-rank polymorphism, polytypic programming. Implementation: heap profiling.

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 Enrollment: Limited to 18. Preference given to graduate students or upper-class concentrators.



Michael D. Smith

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

In-depth look at virtual machine (VM) technologies and the applications enabled by them. Special emphasis on the techniques for replication, translation, and optimization.

Note: Expected to be given in 2004–05.

Prerequisite: Computer Science 153 or equivalent.

Computer Science 255. Topics in Language-Based Security

Catalog Number: 6216

John G. Morrisett

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

Reviews research in programming language-based security mechanisms. Topics include compiler and run-time techniques for enforcing policies; type and proof systems for expressing policies; and static analyses for establishing policies.

Note: Taught in seminar style.

Prerequisite: Computer Science 152, 153, 252r, 253r, or permission of the instructor.

Computer Science 261. Research Topics in Operating Systems

Catalog Number: 6706

Margo I. Seltzer

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

A quantitative approach to operating system design and evaluation. Discussion of recent research including extensible operating system architectures, distributed systems, and performance analysis. Overview of research techniques and methodology.

Prerequisite: Computer Science 161, or equivalent.

Computer Science 262. Introduction to Distributed Computing

Catalog Number: 7949

James H. Waldo

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Examination of the special problems associated with distributive computing (e.g., partial failure and lack of global knowledge) and protocols that function in the face of these problems.

Emphasis on causal ordering, event and RPC-based systems.

Prerequisite: Computer Science 161 or permission of instructor.

Computer Science 263. Modern Distributed Systems

Catalog Number: 6846

Matthew D. Welsh

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

Discusses recent advances in complex distributed systems. Topics include: peer-to-peer systems, overlay networks, Internet services, content delivery networks, and sensor networks. Students will undertake a significant research project and lead discussions of readings.

Prerequisite: Computer Science 161 or Computer Science 143.

Computer Science 264. Peer-to-Peer Systems

Catalog Number: 6069 Enrollment: Limited to 24.



Mema Roussopoulos

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

Discusses research papers on peer-to-peer systems. Topics include: routing, search, caching, security, reputation and trust, incentives, and applications. Students undertake a major research project and lead discussions of readings.

Note: Preference to graduate students or upper-level concentrators.

Prerequisite: Computer Science 161 or Computer Science 143.

[Computer Science 265. Database Systems]

Catalog Number: 4104

Margo I. Seltzer

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

A research-oriented introduction to Database Management systems. First third covers database design, implementation, and use. Topics include: network, relational, and object oriented database models, system architectures, transaction processing, system implementation, and SQL. Remaining two-thirds address research literature surrounding database systems, including an historical perspective, the emergence of relational and object-oriented systems, concurrency control, and distributed systems. Students will be expected to undertake a final research project.

Note: Expected to be given in 2004–05.

Prerequisite: Computer Science 51.

Computer Science 277. Geometric Modeling in Computer Graphics

Catalog Number: 3067

Craig Gotsman (Technion, Israel Institute of Science)

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

Advanced seminar in computer graphics focusing on geometric representations and processing. Topics include: direct manipulation, implicit surfaces, spline presentations, recursively subdivided surfaces, model simplification, surface parameterization and processing, mesh generation and motion capture processing.

Prerequisite: Computer Science 175.

***Computer Science 278. Rendering and Image Processing in Computer Graphics**

Catalog Number: 4883

Steven J. Gortler

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Advanced seminar in computer graphics focusing on image rendering and processing. Topics include: light transport, efficient rendering, image based rendering, texture processing, interactive image processing, image compression and image analysis.

Prerequisite: Computer Science 175 and permission of instructor.

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). M., W., 1–2:30. EXAM GROUP: 6, 7

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 2004–05.

Prerequisite: Computer Science 181 or permission of instructor.

[Computer Science 283. Computer Vision]

Catalog Number: 4475

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.

Note: Expected to be given in 2004–05.

[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.

Note: Expected to be given in 2004–05.

Prerequisite: Computer Science 181 or 182, or permission of instructor.

Computer Science 286r. Topics at the Interface between Computer Science and Economics

Catalog Number: 1099 Enrollment: Limited to 20. Preference given to graduate students or upper-class concentrators.

David C. Parkes

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

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. Seminar style. Spring 2004: Combinatorial exchanges.



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 2004–05.

Prerequisite: Computer Science 121 and 152.

[Computer Science 288. Computational Models of Discourse]

Catalog Number: 1392

Barbara J. Grosz

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

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 2005–06.

Prerequisite: Computer Science 182 or 287r or equivalent, or permission of instructor.

Computer Science 299r. Special Topics in Computer Science

Catalog Number: 4592

Margo I. Seltzer

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

Supervision of experimental or theoretical research on acceptable computer science problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the Division. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Computer Science 305,306. Information Resources: Technology and Policy**

Catalog Number: 6364,3478

Anthony G. Oettinger 2403 (on leave 2004-05)

***Computer Science 309,310. Computational Mechanism Design, Electronic Marketplaces, and Multi-agent Systems**

Catalog Number: 8764,0931

David C. Parkes 4202



***Computer Science 311,312. Collaborative Systems, AI Planning, and Natural Language Processing**

Catalog Number: 4677,6223

Barbara J. Grosz 1599 (on leave spring term)

***Computer Science 317,318. Distributed Systems, Networking, and Mobile Computing**

Catalog Number: 9388,7137

Mema Roussopoulos 4822

***Computer Science 319,320. Distributed Systems, Operating Systems, and Networks**

Catalog Number: 8038,8568

Matthew D. Welsh 4600

***Computer Science 321,322. Databases, Operating System, and Software Design**

Catalog Number: 4085,4086

Margo I. Seltzer 3371

***Computer Science 323,324. Human-Computer Communication through Natural, Graphical, and Artificial Languages**

Catalog Number: 2450,2453

Stuart M. Shieber 2456

***Computer Science 325,326. 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 (on leave spring term)

***Computer Science 343,344. Computer Architecture: Modeling and Design**

Catalog Number: 3932,9266

David M. Brooks 4222

***Computer Science 345,346. High-Performance Computer Systems**

Catalog Number: 6154,6156

Michael D. Smith 3372

***Computer Science 351,352. Complexity of Computations: Concurrent Programming and Synchronization**

Catalog Number: 0218,0255

Michael O. Rabin 7003 (on leave spring term)

***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 (on leave fall term)

***Computer Science 359,360. Online Algorithms and Randomized Algorithms**

Catalog Number: 2104,1477

Michael D. Mitzenmacher 7748

***Computer Science 361,362. Programming Languages and Semantics**

Catalog Number: 8672,8366

John G. Morrisett 4853

***Computer Science 375,376. Computer Graphics**

Catalog Number: 6832,7313

Steven J. Gortler 2824 (on leave 2004-05)

Dramatic Arts

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Dramatics

Robert J. Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of English (*Chair*) (*on leave spring term*)

Marjorie Garber, William R. Kenan, Jr. Professor of English

Jorie Graham, Boylston Professor of Rhetoric and Oratory (*on leave fall term*)

Elizabeth D. Lyman, Assistant Professor of English and American Literature and Languages

John C. Megan, Director, Office for the Arts at Harvard (*ex officio*)

Brighde Mullins, Briggs-Copeland Lecturer on English and American Literature and Language

Robert J. Orchard, Director of the Loeb Drama Center and Executive Director of the American Repertory Theatre (*ex officio*)



Peter Sacks, John P. Marquand Professor of English (*on leave fall term*)
Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value (*on leave 2003-04*)
Robert Elliott Woodruff, Artistic Director of the ART (*ex officio*)

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
J. Michael Griggs, Lecturer on Dramatic Arts
Nancy K. Houfek, Lecturer on Dramatic Arts
William S. Lebow, Lecturer on Dramatic Arts
Gideon M. Lester, Lecturer on Dramatic Arts
Karen L. MacDonald, Lecturer on Dramatic Arts
Claire S. Mallardi, Lecturer on Dramatic Arts
Robert Scanlan, Visiting Lecturer on English and American Literature and Language
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

An introduction to and overview of the major collaborative elements of the theatre: playwriting, directing, designing, acting. Also, a discussion of the current state of the theatre in America, giving special attention to productions at the Loeb and in the Boston area. (Students are required to attend at least five different productions.) Students do creative and collaborative work throughout the term, and members of the ART staff give guest lectures in their areas of expertise.

Dramatic Arts 5. Production Dramaturgy

Catalog Number: 7592

Robert Scanlan

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

Principles of dramaturgy introduced and explained in the context of full productions of performance events. Students will apply literary research and analysis techniques to the preparation of scripts for performance, including but not confined to what are known as “plays.” Specific projects will serve as examples for studying historical background, formal plot theory, scene units, tempo dynamics, and action theory, as these must be handled by directors, actors, and stage managers in the rehearsal hall.

Note: Enrollment limited by interview.

Dramatic Arts 10. Beginning Acting

Catalog Number: 9555



Scott Zigler

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

Utilizing primarily scene study work drawn from contemporary material, the course will focus on three main areas: Text analysis, with primary focus on identification of objectives and tactics; character; and moment to moment spontaneity. The course will draw primarily from the theories of David Mamet and Sanford Meisner.

Note: Enrollment limited by audition.

***Dramatic Arts 11. Beginning Acting**

Catalog Number: 3321

Thomas Derrah

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

An exploration of the basic techniques of acting, beginning with exercises that flex the imagination and heighten observation; the course will then move towards work on rhythm, an actor's instincts, focus, concentration, and character. The texts of Anton Chekhov will be used as a point of reference for the work. The latter part of the course will concentrate on selected scene study from Chekhov's major plays.

Note: Enrollment limited by audition.

***Dramatic Arts 12. Acting Shakespeare**

Catalog Number: 6659 Enrollment: Limited to 20.

Jeremy Geidt

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

Investigation of the texts of Shakespeare as theatre, developing an American approach to verse speaking and character analysis. Scenes are rehearsed to interpret the verse and prose by the light of modern experience. Explores the imagination of the playwright in order to develop the imagination of the student.

Dramatic Arts 13. Acting Workshop: Comedy

Catalog Number: 9926

William S. Lebow

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

A course developing the actor's approach to and playing of comedy and humor. Using characters and scenes from Shakespeare, Molière, Shaw, and contemporary writers from Christopher Durang to Steve Martin, the course focuses on the universality of comic technique and the specific demands of comic playing. The question of humor is explored with respect to dramatic situations and characters that are inherently serious. Student scenes will occasionally be critiqued by members of the A.R.T. Company.

Note: Enrollment limited by audition.

Dramatic Arts 14. The Art of Movement Design

Catalog Number: 2983

Elizabeth Weil Bergmann

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

What makes movement art? Through a combination of readings, lectures, videos and dance improvisation experiences, we investigate 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 are structured into an understandable, organic whole.

Note: No previous dance experience is necessary. Enrollment limited by interview.

Dramatic Arts 15. Movement for Actors and Directors

Catalog Number: 4908

Claire S. Mallardi

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

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 is 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 16. Dance as a Collaborative Art

Catalog Number: 8830 Enrollment: Limited to 20.

Elizabeth Weil Bergmann

Half course (spring term). Tu., Th., 2:30–4:30. EXAM GROUP: 16, 17, 18

Focusing upon the relationship between the arts, students apply their analytical and conceptual skills to the creative and collaborative art process. Aspiring student choreographers, composers, writers, and visual artists will create an evening-long event. Artistic collaborations of the 20th century explored through readings, lectures, discussions, and viewing videos.

Note: No previous dance training is necessary. Enrollment limited by interview. Students are encouraged to take Dramatic Arts 14 prior to enrollment but it is not required.

Dramatic Arts 17. Intermediate Acting

Catalog Number: 9738

Karen L. MacDonald

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

An expansion of basic acting techniques, with an emphasis on the work done during rehearsal.

How do you prepare for a rehearsal each day? How do you maximize your time in rehearsal?

How do you work with different directors? Emphasis is placed on creating a character and building a role. Actors will be doing scene study, monologue work, and improvisation.

Note: Enrollment limited by audition.

***Dramatic Arts 18r (formerly *Dramatic Arts 18ar). Advanced Acting: 20th-Century Texts**

Catalog Number: 8011

Marcus Stern

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

A course of advanced acting techniques using 20th-century dramatic texts for scene work. 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: Enrollment limited by audition. This course may be repeated with instructor and advisor approval.

***Dramatic Arts 19. Playwriting and Dramatic Technique**

Catalog Number: 8045 Enrollment: Limited to 8.

Gideon M. Lester

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

An advanced investigation of dramatic technique for students with prior experience of playwriting. The seminar focuses on the structural principles of dramatic composition, examining paradigms from Aristotle to David Mamet and developing a formal methodology for playwriting. Through a series of exercises and draft scenes students gain an understanding of theatrical craft, invaluable to playwrights and dramaturgs, and complete a major piece of dramatic writing.

Note: Admission based on samples of writing submitted to the instructor.

***Dramatic Arts 22r. Directing**

Catalog Number: 8160 Enrollment: Limited to 15.

Marcus Stern

Half course (spring term). Tu., 1–3; W., at 9. EXAM GROUP: 15, 16

A directing class for directors, actors, designers, and dramaturgs, accomodating beginning to advanced levels of work. Through constant scene work, we examine the directorial tools of text analysis, staging, design, and working with actors. The focus is on understanding texts and explicating your response to those texts on stage. Also useful for actors, dramaturgs and designers investigating all aspects of theater.

Note: May be repeated with instructor and advisor approval. Enrollment limited by short interviews to be conducted on the first day of class.

[Dramatic Arts 23. Beginning and Intermediate Directing]

Catalog Number: 9594

Robert Elliott Woodruff and Thomas Derrah

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

For directors and actors who want to learn more about the overall craft. Co-taught: A.R.T.'s new Artistic Director Robert Woodruff will outline a basic approach for starting the directorial process, emphasis on text analysis, narrative, staging, and composition. A.R.T. senior company actor Thomas Derrah will focus on the director/actor relationship, with emphasis on translating directorial ideas into playable language, correcting acting problems encountered in rehearsal, and the actor's implementation of the director's vision.

Note: Expected to be given in 2004–05. Enrollment limited by audition/interview.

[Dramatic Arts 24. Advanced Directing]

Catalog Number: 9650 Enrollment: Limited to 9.

Marcus Stern

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

An advanced directing course requiring some previous experience: emphasis will be on non-linear texts, staging a non-verbal text, site specific staging, and advanced sound design. Through continual scene work, students direct the plays of Beckett, Buchner, Fornes, Parks, Wellman,



Ong, Ehn, and address questions such as real time vs stage time, point of view directing, and functional vs visceral staging.

Note: Expected to be given in 2004–05. Enrollment limited by audition/interview. Please bring theater resume to first class.

Dramatic Arts 28. Vocal Production for the Stage

Catalog Number: 8900

Nancy K. Houfek

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

Whether one is performing in a play, speaking professionally, teaching a class or leading a group, the ability to use one's voice effectively is a primary element of the success of the presentation. Using several major pedagogies of speaking training, students learn not only how to use the voice, but how the pedagogies of voice training correspond to specific performance challenges.

Note: Enrollment is by interview.

Dramatic Arts 30. Design for the Theatre: History and Practice

Catalog Number: 9503

J. Michael Griggs

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

The practice of designing scenery for the theatre is explored through the history of stage design and the architecture of the theater building. Students complete projects of research and design for plays from various periods. The projects will introduce basic techniques in drawing, drafting and model making.

***Dramatic Arts 31 (formerly *Visual and Environmental Studies 131). Designing for the Stage**

Catalog Number: 1116 Enrollment: Limited to 12.

J. Michael Griggs

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

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.

Cross-listed Courses

Chinese Literature 158. Passion and Duty in Chinese Drama

[Comparative Literature 151. The Faust Legend in Literature]

***English Ckr. Playwriting Workshop**

***English Clr. Screenwriting Workshop**

***English 90pb. Dramatic Structure and Analysis**

***English 90qb. Celebrated Plays: Award Winning British and American Drama 1993-2003**

***English 90qv. Women on the Verge: 20th-Century American Women Playwrights**

***English 90sb. Samuel Beckett's Plays and Prose**



[English 121. Shakespearean Playwriting]

[English 124g. Shakespearean Genres](#)

[English 125d. The Drama of Shakespeare's Contemporaries](#)

[English 162c. Modern Drama](#)

[English 162m. Modernism as Theatre](#)

[English 191. Theories of the Theater](#)

[French 137. 20th Century French Theater]

[French 189. Francophone Poetry and Drama]

[*Freshman Seminar 32v. Goethe's *Faust*](#)

[*Freshman Seminar 36s. Provocative Truths: The Role of the Fool in European Drama](#)

[Japanese Literature 140. Edo Popular Culture]

[Japanese Literature 141. Edo's Spectacular Culture]

[Japanese Literature 143. Popular Theater of Early Modern Japan](#)

[Japanese Literature 243r \(formerly Japanese Literature 243\). Major Writers: Chikamatsu Monzaemon](#)

[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. Concepts 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]

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

Richard K. Bambach, Lecturer on Earth and Planetary Sciences

Adam M. Dziewonski, Frank B. Baird, Jr. Professor of Science

Göran Ekström, Professor of Geology and Geophysics

Brian F. Farrell, Robert P. Burden Professor of Meteorology (*on leave spring term*)

Paul F. Hoffman, Sturgis Hooper Professor of Geology

Daniel J. Jacob, Gordon McKay Professor of Atmospheric Chemistry and Environmental Engineering (*on leave fall term*)

Stein B. Jacobsen, Professor of Geochemistry

Andrew H. Knoll, Fisher Professor of Natural History and Professor of Earth and Planetary



Sciences (on leave spring term)

Charles H. Langmuir, Professor of Geochemistry

Charles R. Marshall, Professor of Biology and of Geology

James J. McCarthy, Alexander Agassiz Professor of Biological Oceanography in the Museum of Comparative Zoology

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies (*on leave spring term*)

Sujoy Mukhopadhyay, Assistant Professor of Geochemistry

Richard J. O'Connell, Professor of Geophysics (*on leave spring term*)

Ann Pearson, Assistant Professor of Geochemistry

James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics (*on leave fall term*)

Daniel P. Schrag, Professor of Earth and Planetary Sciences (*Director of Graduate Studies*)

John H. Shaw, Harry C. Dudley Professor of Structural and Economic Geology (*Head Tutor*) (*on leave spring term*)

Sarah Stewart-Mukhopadhyay, Assistant Professor of Planetary Science

Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics

Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science, Associate Dean of the Faculty of Arts and Sciences (*on leave 2004-05*)

Other Faculty Offering Instruction in the Department of Earth and Planetary Sciences

Kelly V. Chance, Lecturer in Earth and Planetary Sciences

James L. Davis, Lecturer on Earth and Planetary Sciences

Renata Dmowska, Lecturer on Earth and Planetary Sciences

Ralph Mitchell, Gordon McKay Professor of Applied Biology (*on leave spring term*)

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). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

An introduction to the scientific basis for current concerns regarding possible changes in the global environment. Issues addressed include climate; depletion of stratospheric ozone; regional air pollution; acid rain; disturbance of biogeochemical cycles for life-essential elements C, N, P, and S.

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

[Earth and Planetary Sciences 6. Introduction to Environmental Science: The Solid Earth](#)

Catalog Number: 2694

Charles H. Langmuir

Half course (spring term). Tu., Th., 11:30–1:00; laboratories and section require one afternoon per week. EXAM GROUP: 13, 14

The geological context of environmental science, emphasizing the relationships between fundamental earth processes and their natural environmental consequences, and the additional



consequences caused by human behavior. Topics include the history of the Earth, Earth materials, plate tectonics, volcanic eruptions, earthquakes, ice ages, meteorite impacts, erosion, the water cycle, landslides and floods. The nature of systems, chaos, and uncertainty in science. Introduction to epidemiological studies, risk assessment and policy tradeoffs in areas such as groundwater contamination, radioactive materials, and asbestos.

Note: EPS 6 may not be counted for a degree in addition to EPS 7. This course, when taken for a letter grade, meets the Core area requirement for Science B.

Earth and Planetary Sciences 7. Introduction to Geological Sciences

Catalog Number: 0918

Adam M. Dziewonski

Half course (fall term). M., W., F., at 10; three hours of laboratory work each week and two day-long field trips on separate weekends required. EXAM GROUP: 3

A course designed for concentrators but also appropriate for non-concentrators who desire a broad introduction to Earth science. Evolution of the Earth with an emphasis on the processes that have shaped our planet. The theory of plate tectonics is used to explain the occurrence and distribution of earthquakes, volcanoes and mountains. Labs and the weekend field trips familiarize students with rock types, geological features, and illustrate how geologists infer processes from the rock record.

Note: Also appropriate for non-EPS concentrators who desire a comprehensive introduction to Earth Science. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Earth and Planetary Sciences 8. History of the Earth

Catalog Number: 0166

Paul F. Hoffman and Daniel P. Schrag

Half course (spring term). M., W., F., at 10; two hours of laboratory weekly and two one-day field trips. EXAM GROUP: 3

Examines the major stages and critical events in the history of the Earth, with emphasis on the interactions between global tectonics, the climate system, and biological evolution. Topics range from the formation of the earth and other planets, to catastrophic events that drove mass extinctions, to the most recent period of human interaction with the environment. Laboratories introduce methods of investigation and analysis of the geological record. Weekend field trip.

Note: This is one of three required introductory courses for EPS concentrators, along with EPS 5 and EPS 7. This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Secondary-school courses in science (physics, chemistry, biology) and calculus.

***Earth and Planetary Sciences 74. Field Geology**

Catalog Number: 7239

Paul F. Hoffman

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

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, 150 or 171, are recommended, or permission of instructor.

***Earth and Planetary Sciences 91r. Supervised Reading and Research**

Catalog Number: 1462

John H. Shaw 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

John H. Shaw 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 107. Environmental Geochemistry

Catalog Number: 1242

Sujoy Mukhopadhyay and Ann Pearson

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

An overview of low-temperature geochemistry through the treatment of a selection of geochemical issues of environmental significance. Each unit places geochemical topics in the context of a broader geological perspective with particular emphasis on chemical principles. Students from all concentrations are welcome.

Note: Given in alternate years.

Prerequisite: A course in college-level chemistry or permission from the instructor.

Earth and Planetary Sciences 108. Environmental Geomechanics

Catalog Number: 6095

James R. Rice

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

Concepts of fluid and solid mechanics have major explanatory power throughout the earth and environmental sciences—and they are accessible to students in the early years of study. Here such concepts are introduced in the context of understanding processes in environmental geology. Topics include: Stream flows, water waves, tsunamis; erosion and sediment transport, geomorphology. Groundwater hydrology, seepage, contaminant transport; poroelasticity, consolidation and subsidence. Rock and soil strength, landslides, debris flows; glaciers; faulting, earthquake dynamics.

Note: 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: EPS 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.

An overview of the Earth's energy and material resources. Following introductions to hydrocarbons, nuclear fuels, and other economically important ores, the course emphasizes methods used to exploit these resources and the environmental impacts of these operations. Topics include: coal and acid rain; petroleum, photochemical smog, and oil spills; nuclear power and radioactive hazards; alternative energies; metals and mining. Labs emphasize methods for discovering and exploiting resources, as well as environmental remediation approaches.

Note: Expected to be given in 2004–05. Given in alternate years.

Prerequisite: EPS 6, 7, or 8, or permission of the instructor.

Earth and Planetary Sciences 121. Terrestrial Planets

Catalog Number: 8577

Sarah Stewart-Mukhopadhyay

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

The physical and chemical processes that influence the initial condition, evolution, and current state of terrestrial planets, focusing on the comparative evolution of Venus, Earth, Mars, and large moons. Topics include: planet formation, evolution of atmospheres, interior composition and equations of state, core formation, differentiation, thermal evolution, and major surface modification processes.

Prerequisite: Physics 15a, b, c, or Physics 11a, b, or permission of instructor.

Earth and Planetary Sciences 131. Introduction to Physical Oceanography

Catalog Number: 2249

Eli Tziperman

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

Basic observations and theoretical understanding of ocean phenomena from local surface beach waves to the effects of the oceans on global climate. Observations and dynamics of ocean waves, currents, turbulence, temperature and salinity distributions; basic fluid dynamics equations; the ocean's role in climate: wind-driven circulation and the Gulf stream, thermohaline circulation and the potential instability of Europe's climate, El Nino, the oceans and global warming.

Note: A field trip to Cape Code and the Woods Hole Oceanographic Institution planned.

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. Atmospheric Chemistry

Catalog Number: 7731

Daniel J. Jacob

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15

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: Chemistry 15 or 7, and Mathematics 1.

[Earth and Planetary Sciences 137. Biogeochemistry]

Catalog Number: 1923

Ann Pearson

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

Introduction to biological and organic chemistry of the earth's environment. Primary focus on the cycles of carbon, nitrogen, oxygen, and hydrogen with emphasis on processes occurring at the molecular level. Includes an introduction to light stable isotope geochemistry and the isotopic records of individual biomolecules in marine and terrestrial environments.

Note: Expected to be given in 2004–05. Given in alternate years.

Prerequisite: Chemistry 15 or equivalent. Chemistry 17/27 strongly recommended.

Earth and Planetary Sciences 140. Geochemical and Cosmochemical Thermodynamics I

Catalog Number: 1960

Stein B. Jacobsen

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

Application of equilibrium thermodynamics to problems in cosmochemistry, igneous and metamorphic petrology, and environmental geochemistry. The laws of thermodynamics. Thermodynamic functions. Conditions for thermodynamic equilibrium and spontaneous transformations. Systems of variable chemical composition. Selection of components and the Gibbs phase rule. Chemography and petrogenetic grids. Conditions for heterogeneous and homogeneous equilibrium. Equilibrium constants. Fugacities and activities. Calculation of binary and ternary phase diagrams. Conditions for stability. Excess functions. Mixed volatile equilibria. Thermodynamics of aqueous solutions.

Note: Given in alternate years.

Prerequisite: Chemistry 15 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.

The origin of the element and isotope distribution in the Earth and the Solar System. Closed system radioactive decay, isotope fractionation, mass balance and mixing. Application of Rb-Sr, Sm-Nd, U-Th-Pb, Lu-Hf, Re-Os and K-Ar isotope systems for geochronology and as tracers for geological processes. Noble gas geochemistry. Extinct nuclides. Cosmogenic nuclides. U-Th-series nuclides. Planetary isotopic evolution. Stable isotope geochemistry. Application of H, C, N, O and S isotopes as tracers of geochemical and biogeochemical processes.

Note: Expected to be given in 2004–05. Given in alternate years.

Prerequisite: Chemistry 15 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). W., at 1, lab: F., 1–3. EXAM GROUP: 6, 7

Rocks and minerals - clues to understanding the origin and evolution of planetary crusts and mantles. 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. The metamorphic facies concept and thermal models of metamorphism. Mineralogy, composition, and origin of meteorites and lunar samples. Laboratory emphasizes sample identification, and measurements of chemical and isotopic composition.

Prerequisite: EPS 6 or 7 or Science A-24, and Chemistry 5 or 15, or permission of instructor.

[Earth and Planetary Sciences 161. 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 2004–05. Given in alternate years.

Prerequisite: One basic earth science course (e.g., EPS 7 or Science A-24) or permission of instructor. Applied Mathematics or Mathematics 21, Physics 11a or 15a recommended.

Earth and Planetary Sciences 166. Introduction to Seismology

Catalog Number: 1540

Adam M. Dziewonski

Half course (fall term). M., W., 1–3. 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: 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 and Environmental Geophysics]

Catalog Number: 5143

Adam M. Dziewonski

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

Geophysical methods used to search for oil and ores 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 2004–05. 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. Structural Geology and Tectonics

Catalog Number: 0319

John H. Shaw

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

An introduction to the deformation of Earth materials, including the processes of mountain building and plate tectonics, faulting and earthquakes, folding, and ductile deformation.

Structures are examined using geologic maps, balanced cross sections, seismic reflection data, satellite imagery, microscopic analysis, analog experiments, and numerical methods. Labs emphasize the applications of structural geology in the energy and environmental industries, and for assessing earthquake hazards.

Note: Given in alternate years.

Prerequisite: EPS 6, 7, or 8, or permission of the instructor.

[Earth and Planetary Sciences 180. Geology of the Ocean Basins and Margins]

Catalog Number: 6992

Paul F. Hoffman

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

Tectonic evolution of the major and minor ocean basins and their margins. The marine sedimentary record of regional and global change from Mesozoic to Recent times. Discussion of links between tectonics and the climate system on geological time scales.

Note: Expected to be given in 2004–05. Given in alternate years.

Prerequisite: EPS 7 or 8 or permission of the instructor.

[Earth and Planetary Sciences 181. Invertebrate Paleontology]

Catalog Number: 5162

Andrew H. Knoll

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 2004–05. Given in alternate years.

Prerequisite: Either Science B-16, Biological Sciences 51 (formerly Biological Sciences 2), or permission of instructor.

Cross-listed Courses

[Engineering Sciences 120. Introduction to the Mechanics of Solids](#)

[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](#)

[\[OEB 107 \(formerly Biology 107\). Evolution of Plant Life in Geologic Time\]](#)

[\[OEB 118 \(formerly Biology 118\). Biological Oceanography\]](#)

Primarily for Graduates

[Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics](#)

Catalog Number: 2675

James G. Anderson, Daniel J. Jacob, and Steven C. Wofsy

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

Atmospheric physics and chemistry: stratospheric and tropospheric transport, photochemistry, and aerosols; stratospheric ozone loss, tropospheric pollution. Fundamentals of radiative transfer, simple models of the greenhouse effect.

Note: Students specializing in this area are expected to take EPS 200 and 236. These courses may serve as an introduction to atmospheric and oceanic processes for other students with strong preparation.

Prerequisite: Applied Mathematics 105b (may be taken concurrently), Physics 11 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 (spring term). Hours to be arranged.

The properties and processes of the solid Earth: Continuum mechanics; structure and state of the Earth's interior; gravity and the geoid; viscous creep and mantle flow; rotational dynamics; heat transport and mantle convection.

Note: Expected to be given in 2004–05.

Prerequisite: Applied Mathematics 105a and 105b, Physics 15 or equivalent. Preparation should be discussed with the instructor.

[Earth and Planetary Sciences 205. Data Analysis and Reduction in Earth Sciences]

Catalog Number: 4426

Adam M. Dziewonski and Göran Ekström



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

Fundamentals of statistical data analysis and error estimation; model building using linear inversion; model resolution; discrete sampling of time or space series; Fourier series and transforms; digital and matched filter design; wavelet analysis.

Note: Expected to be given in 2004–05.

Prerequisite: Applied Mathematics 105a; may be taken concurrently.

Earth and Planetary Sciences 206. Space Geodesy for Earth Scientists

Catalog Number: 8218

James L. Davis

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

Space geodesy for the study of Earth systems. The determination of geophysical signals from space geodetic observables. Tectonic, tidal, and other deformations; Earth rotation; ocean topography; geoid/geopotential; atmospheric temperature and water vapor.

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 208. Patterns of Marine Diversity and Diversity Change Through the Phanerozoic

Catalog Number: 7698

Richard K. Bambach

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

The traditional picture of change in marine diversity through time has recently been questioned. Topics include the nature of global databases, loss of the geological record with time, changing ecological influences on diversity, and others.

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 232. Dynamic Meteorology]

Catalog Number: 5344

Brian F. Farrell



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

The atmosphere understood as a fluid dynamical system. Observations of atmospheric motions related to weather and climate. Application of the equations of atmospheric dynamics to explaining phenomena such as jet streams, cyclones and fronts.

Note: Expected to be given in 2004–05.

Prerequisite: Applied Mathematics 105b or permission of instructor.

Earth and Planetary Sciences 236. Environmental Modeling and Analysis

Catalog Number: 7250

Steven C. Wofsy, James G. Anderson, and Daniel J. Jacob

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

Introduction to atmospheric chemistry and biogeochemistry. Atmospheric transport processes, Eulerian and Lagrangian model frameworks, forward and inverse methods. Analysis of environmental data: visualization, time series analysis, Monte Carlo methods, statistical assessment. Students prepare projects and presentations.

Note: 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 15, or more advanced courses; or permission of the instructors.

Earth and Planetary Sciences 237. Advanced Biogeochemistry

Catalog Number: 9320

Ann Pearson

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

We cover the topics of EPS 137 at an accelerated pace and in more depth. Emphasis is on reactions at the molecular level, and the use of molecular and isotopic markers to understand natural processes. Complex microbial assemblages are considered with attention to both current and ancient records of earth systems.

Prerequisite: EPS 137 or equivalent, or permission of instructor.

Earth and Planetary Sciences 238. Spectroscopy and Radiative Transfer of Atmospheres

Catalog Number: 1891

Kelly V. Chance

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

Absorption, emission, and scattering, emphasizing Earth's atmosphere. Atmospheric spectroscopic properties for various measurement geometries. Quantitative spectroscopy and atmospheric structure are reviewed. Radiative transfer modeling and simulation and interpretation of atmospheric spectra from microwave through ultraviolet.

Note: Given in alternate years.

Prerequisite: Ability to program in a high-level computer language (may be learned in parallel with the permission of the instructor).

[Earth and Planetary Sciences 240. Geochemical Transport and Kinetics]

Catalog Number: 0187

Stein B. Jacobsen



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

Irreversible thermodynamics, heat flow and diffusion. K-U-Th geochemistry. Mass transfer between geochemical reservoirs; modeling of mantle melting, mantle and crustal evolution, geochemical cycles. Determination of temperature-time-pressure histories of rocks from radiogenic isotopes and phase equilibria.

Note: Expected to be given in 2004–05. 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 and Sujoy Mukhopadhyay

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

The composition of the Earth. Application of radiogenic and stable isotopes to study the processes of formation and evolution of the Earth's crust, mantle and core. Geochemical cycles of elements in the solid Earth.

Note: Given in alternate years.

[Earth and Planetary Sciences 242. Biogeochemistry of Light Stable Isotopes]

Catalog Number: 8808 Enrollment: Limited to 10.

Daniel P. Schrag and Ann Pearson

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, and applications to climate reconstruction.

Note: Expected to be given in 2004–05. Given in alternate years.

Earth and Planetary Sciences 243. Geochemical and Cosmochemical Thermodynamics II

Catalog Number: 2002

Stein B. Jacobsen

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

For description, see EPS 140. Lectures and problem sets are the same as for EPS 140, but additional work on advanced problems in chemical thermodynamics is required for graduate credit.

Note: Given in alternate years.

Prerequisite: Chemistry 15 or equivalent; Mathematics 21a or Applied Mathematics 21a (may be taken concurrently).

[Earth and Planetary Sciences 260. Topics in Geophysics]

Catalog Number: 2908

Richard J. O'Connell and Jeremy Bloxham

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

Research seminar on current important problems on the state and processes of the solid Earth. Topics may include mantle structure and geochemistry, the core-mantle boundary, the



continental lithosphere.

Note: Expected to be given in 2004–05. This course is coordinated with a research course at MIT.

[Earth and Planetary Sciences 263. Earthquake Source Processes]

Catalog Number: 0542

James R. Rice and Renata Dmowska

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

Science of earthquakes including physics of source processes. Elastodynamics; seismic radiation; quantification of earthquakes; slip inversions. Fault strength and rheology; friction and fracture theory. Seismotectonics; stressing and seismicity in the earthquake cycle; earthquake interactions.

Note: Expected to be given in 2004–05.

Prerequisite: EPS 166 or equivalent and further study at the 200 level in seismology or solid mechanics.

Earth and Planetary Sciences 264r. Topics in Planetary Magnetism

Catalog Number: 1429

Jeremy Bloxham

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

Theoretical and observational aspects of planetary magnetism. Topics: observations of Earth's and other planets magnetic fields; core structure, dynamics and energetics; rotation and convection; magnetohydrodynamics and magnetic field generation; kinematic and dynamic dynamo theory.

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 and properties in the Earth's interior, including: thermal convection and flow in the mantle, rheology of the mantle, plate motions, plate deformation, physical properties of rocks and minerals.

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. Topic changes each 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 2004–05. 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.

Observational and computational methods for determining earthquake parameters from seismic data. The relationship of earthquakes to lithospheric plate motions and global tectonic processes.

Note: Given in alternate years.

Prerequisite: EPS 166, or equivalent.

[Earth and Planetary Sciences 271r. Precambrian Regional Geology and Earth History]

Catalog Number: 2515

Paul F. Hoffman

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

Tectonic architecture and construction of the principal regions of exposed Precambrian crust world-wide, with special emphasis on the sedimentary record of the Earth's development over three billion years.

Note: Expected to be given in 2004–05. Given in alternate years.

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.

Seminar course investigating recent advances in structural geology and exploration geophysics with applications in earthquake science and the petroleum industry. Specific topics vary from year to year.

Note: Given in alternate years.

Prerequisite: EPS 171 or equivalent. Intended for graduate and advanced undergraduate students involved in structural geology research.

Earth and Planetary Sciences 281r. Snowball Earth Phenomena

Catalog Number: 2474

Paul F. Hoffman

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

The geological and paleomagnetic evidence for global glaciation in the Proterozoic eon. Climate model constraints on the ice-albedo instability. The 'freeze-fry' hysteresis in atmospheric carbon



dioxide. Sedimentology of Proterozoic glacial and post-glacial deposits. Paleoceanographic proxy records.

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.

The use of analytic methods in paleobiology. Topics include: determining times of origin and extinction; dissecting biodiversity dynamics; assessing the absolute completeness of the fossil record; stratigraphy and phylogeny reconstruction, etc.

Note: Expected to be given in 2004–05.

Cross-listed courses

[Engineering Sciences 240. Solid Mechanics](#)

[\[Engineering Sciences 241. Advanced Elasticity\]](#)

[Engineering Sciences 265. Advanced Environmental Geomechanics](#)

[OEB 208r \(formerly Biology 208\). Issues in Historical Paleobiology: Seminar](#)

Graduate Courses of Reading and Research

***Earth and Planetary Sciences 320. Topics in Planetary Sciences**

Catalog Number: 6050

Sarah Stewart-Mukhopadhyay 4637

***Earth and Planetary Sciences 330. 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 (on leave fall term)

***Earth and Planetary Sciences 332. Dynamic Meteorology**

Catalog Number: 2802

Brian F. Farrell 7628 (on leave spring term)

***Earth and Planetary Sciences 333. Atmospheric Chemistry: Research Seminar**

Catalog Number: 1510

Daniel J. Jacob 1781 (on leave fall term) and members of the Department



***Earth and Planetary Sciences 334. Atmospheric Physics and Chemistry**

Catalog Number: 4886

Michael B. McElroy 2462 (on leave spring term)

***Earth and Planetary Sciences 335. Climate Dynamics and Physical Oceanography**

Catalog Number: 3095

Eli Tziperman 4748

***Earth and Planetary Sciences 337. Biological Oceanography**

Catalog Number: 5704

James J. McCarthy 4343

***Earth and Planetary Sciences 338. Atmospheric Chemistry**

Catalog Number: 7596

Steven C. Wofsy 4396 (on leave 2004-05)

***Earth and Planetary Sciences 339. Biogeochemistry**

Catalog Number: 9843

Ann Pearson 4224

***Earth and Planetary Sciences 340. Topics in Isotope Geochemistry: Research Seminar**

Catalog Number: 2881

Stein B. Jacobsen 7212

***Earth and Planetary Sciences 341. Isotope Geochemistry**

Catalog Number: 7103

Stein B. Jacobsen 7212

***Earth and Planetary Sciences 344. Topics in Stable Isotope Geochemistry and Geochemical Oceanography**

Catalog Number: 6291

Daniel P. Schrag 3054

***Earth and Planetary Sciences 345. Solid Earth Geochemistry**

Catalog Number: 7979

Charles H. Langmuir 4293

***Earth and Planetary Sciences 346. Topics in Noble Gas Geochemistry**

Catalog Number: 2928

Sujoy Mukhopadhyay 4621

***Earth and Planetary Sciences 362. Dynamo Theory: Research Seminar**

Catalog Number: 1840

Jeremy Bloxham 2047



***Earth and Planetary Sciences 363. Seismology and Tectonophysics: Geomechanics, Earthquake Source Physics**

Catalog Number: 8664

James R. Rice 7270 (on leave fall term)

***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 (on leave spring term)

***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 (on leave spring term)

***Earth and Planetary Sciences 380. Precambrian Geology**

Catalog Number: 1161

Paul F. Hoffman 1507

***Earth and Planetary Sciences 385. Analytical Paleontology**

Catalog Number: 8129

Charles R. Marshall 2823

***Earth and Planetary Sciences 387. Paleobotany**

Catalog Number: 6983

Andrew H. Knoll 7425 (on leave spring term)

East Asian Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Department of East Asian Languages and Civilizations

Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations (*Chair*)

Mikael Adolphson, Associate Professor of Japanese History

Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations

Harold Bolitho, Professor of Japanese History (*on leave spring term*)

James E. Bosson, Visiting Associate Professor of Inner Asian Studies (*University of California, Berkeley*)

Pei-chia Chen, Preceptor in Chinese

Eileen Cheng-yin Chow, Assistant Professor of Chinese Literary and Cultural Studies

Edwin A. Cranston, Professor of Japanese Literature

Carter J. Eckert, Professor of Korean History

Mark C. Elliott, Professor of Chinese and Inner Asian History

Shengli Feng, Professor of the Practice of Chinese Language

Yu Feng, Preceptor in Chinese

Robert M. Gimello, Visiting Professor of East Asian Studies and Religious Studies (*University of Arizona*)

Andrew Gordon, Lee and Juliet Folger Fund Professor of History

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society (*on leave 2003-04*)

Sung Hee Hong, Preceptor in Korean

Wenze Hu, Preceptor in Chinese

Hui-Yen Huang, Preceptor in Chinese

Wilt Lukas Idema, Professor of Chinese Literature

Wesley M. Jacobsen, Professor of the Practice of the Japanese Language (*Director of the Japanese Language Program*) (*on leave 2003-04*)

Yuko K. Kageyama-Hunt, Preceptor in Japanese

Adam L. Kern, Assistant Professor of Japanese Literature

Sun Joo Kim, Assistant Professor of Korean History (*on leave 2003-04*)

Youngmin Kwon, Visiting Professor of Korean Literature (*Seoul National University, Korea*)

Leo Ou-Fan Lee, Professor of Chinese Literature (*on leave fall term*)

Sook Lee, Preceptor in Korean

Chin-An Li, Preceptor in Taiwanese

Wai-yee Li, Professor of Chinese Literature (*Head Tutor*)

Felicity A. Lufkin, Lecturer on East Asian Languages and Civilization

Satomi Matsumura, Senior Preceptor in Japanese

David McCann, Korea Foundation Professor of Korean Literature (*on leave spring term*)

Itsuko Nakamura, Preceptor in Japanese

Binh Ngo, Preceptor in Vietnamese (*Director of the Vietnamese Language Program*)

Sang-suk Oh, Preceptor in Korean

Stephen Owen, James Bryant Conant University Professor

Michael James Puett, Professor of Chinese History

Paul Rouzer, Senior Preceptor in Literary Chinese

Jay Rubin, Takashima Professor of Japanese Humanities

Michael A. Szonyi, Visiting Associate Professor of East Asian Languages and Civilizations



(University of Toronto)

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

Shao-ling V. Wang, Preceptor in Chinese

Xuedong Wang, Preceptor in Chinese

Endymion Porter Wilkinson, Lecturer on East Asian Languages and Civilizations

Emi Yamanaka, Preceptor in Japanese

Tae-jin Yi, Visiting Professor of Korean History

Other Faculty Offering Instruction in East Asian Languages and Civilizations

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)

Patrick D. Hanan, Victor S. Thomas Professor of Chinese Literature, Emeritus

Committee for the Social Science Program in East Asian Studies of the Department of East Asian Languages and Civilizations

Carter J. Eckert, Professor of Korean History (*Chair*)

Andrew Gordon, Lee and Juliet Folger Fund Professor of 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

James L. Watson, Harvard College Professor and John King and Wilma Cannon Fairbank Professor of Chinese Society (*on leave spring term*)

Courses listed under the Department of East Asian Languages and Civilizations begin with department tutorials and then are grouped by area: China, Japan, Korea, Manchu, Mongolia, Tibet, and Vietnam. Each area is divided into language, history, and literature courses, then “Graduate Courses of Reading and Research,” and concludes with cross-listings from other departments. Please note that courses under each heading are categorized as either “For Undergraduates and Graduates” or “Primarily for Graduates.”

The concentration draws upon faculty working on East Asian topics from the Department of East Asian Languages and Civilizations and from other departments. It offers both a humanities track, in which the history, literature, philosophy, and religion of premodern and modern times are studied, and a social science track, stressing approaches to modern East Asia drawn from the social science disciplines. 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

Wai-yee Li and members of the Department

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

Note: Open to students who have given evidence of ability to do independent reading and research. May be taken on an individual basis or by small groups of students interested in working on the same topic. Permission of the East Asian Studies Head Tutor required.

***East Asian Studies 97r. Tutorial — Sophomore Year**

Catalog Number: 0306

Mikael Adolphson and members of the Department

Half course (fall term; repeated spring term). Fall: Tu., 2–3:30; Spring: Tu., 1–3. EXAM

GROUP: Fall: 16, 17; Spring: 15, 16

Note: Required of sophomore concentrators.

***East Asian Studies 98r. Tutorial — Junior Year**

Catalog Number: 0342

Wai-yee Li 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

Wai-yee Li 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 A. Lufkin

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

A 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. We 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 125. Chinese Visual Culture: The Woodcut Popular Print

Catalog Number: 5829



Felicity A. Lufkin

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

Woodcut printed pictures were a tremendously popular art form in 19th-century China. They were enjoyed as decoration and entertainment within the home, and also figured in popular religious observance. We look at the ways scholars have approached popular prints as an artistic and cultural form, and examine the symbolic values, narrative structures, and religious functions of Chinese popular prints.

East Asian Studies 127. China on Display: Art Exhibitions and Images of the Chinese Nation in the 19th and 20th Centuries

Catalog Number: 9114

Felicity A. Lufkin

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

The exhibition of Chinese art, whether at the World Fairs, in the dueling National Palace Museums of Beijing and Taipei, or in the galleries of New York, has often been used to construct and contest images of China's status and potential power as a nation. We examine how exhibitions have linked art and Chinese national identity, drawing on recent theoretical work on the practice of exhibition.

Note: Readings and discussions in English.

Primarily for Graduates

East Asian Studies 211. Historical Theory and Methods

Catalog Number: 3088

Mikael Adolphson

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

Theories and methods for research in East Asian history. Covers approaches to social, cultural, intellectual, and political history, analyzing significant works in each field and applications to Chinese, Japanese, and Korean materials.

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 (University of Arizona)

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

Explores the character of East Asian Mahâyâna Buddhism as revealed in the systematic exposition of its doctrines, and in its cultic practices, beliefs, and iconography. Taking the bodhisattva as the fullest embodiment of Mahâyâna's ideals and the chief focus of its piety, we'll trace the transformations wrought in the cults and images of the great bodhisattvas—particularly Manjusri—from the 2nd through 12th century during Buddhism's encounter principally with Chinese but also with Korean and Japanese civilization.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3560.



[East Asian Buddhist Studies 115. Buddhist Meditation Traditions]

Catalog Number: 6958

Robert M. Gimello (University of Arizona)

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, we 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 2004–05. Offered jointly with the Divinity School as 3561.

East Asian Buddhist Studies 116a. Buddhism in East Asia: I-VII Century

Catalog Number: 9937

Robert M. Gimello (University of Arizona)

Half course (fall term). Tu., Th., 10–11:30. 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 the Divinity School as 3521.

East Asian Buddhist Studies 116b. Buddhism in East Asia: VIII-XVI Century

Catalog Number: 9214

Robert M. Gimello (University of Arizona)

Half course (spring term). Tu., Th., 10–11:30. 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 jointly with the Divinity School as 3526.

East Asian Buddhist Studies 120. Buddhist Apologetics in East Asia

Catalog Number: 0692

Robert M. Gimello (University of Arizona)

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

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 are considered in light of modern theories of inter-religious dialogue.

Note: 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 (University of Arizona)

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: Reading knowledge of classical Chinese.

[East Asian Buddhist Studies 220. Pilgrimage and Sacred Sites in China]

Catalog Number: 8720

Robert M. Gimello (University of Arizona)

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

A study of pilgrimage as a Chinese religious practice, and of pilgrimage destinations as sacred sites. Special emphasis on Buddhist sacred mountains, with some comparative consideration of pilgrimage and sacred sites in Daoism and Confucianism.

Note: Expected to be given in 2004–05.

[East Asian Buddhist Studies 260. Tibetan Religions]

Catalog Number: 9469

Janet Gyatso (Divinity School)

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

A study of Tibetan Buddhism and other religious groups in social and historical contexts. Examines Tibetan traditions of ritual practice; poetic and autobiographical writing; personal cultivation, and meditation; various kinds of religious communities; and the religious dimensions of Tibetan political institutions.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3563.

Graduate Course

***East Asian Buddhist Studies 300. Reading and Research**

Catalog Number: 9811

Robert M. Gimello (University of Arizona) 9240

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

Intensive introduction to modern standard (Mandarin) Chinese pronunciation, grammar, conversation, reading, and writing.

Note: Satisfies prerequisite for second-year Chinese.



Chinese Ba. Elementary Modern Chinese

Catalog Number: 4375

Pei-chia Chen and Shengli Feng

Half course (fall term). Sections Tu., Th., 9, 10, 11, or 2, and three additional hours to be arranged. EXAM GROUP: 11

Nonintensive introduction to modern Chinese pronunciation, grammar, conversation, reading, and writing.

Note: No auditors. May not be taken Pass/Fail.

Chinese Bb. Elementary Modern Chinese

Catalog Number: 8714

Pei-chia Chen and Shengli Feng

Half course (spring term). Sections Tu., Th., 10, 11, or 2; and three additional hours to be arranged. EXAM GROUP: 12, 16

Continuation of Chinese Ba.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese Ba or equivalent.

Chinese Bx. Elementary Chinese for Advanced Beginners

Catalog Number: 7066

Hui-Yen Huang

Half course (fall term). M., W., F., at 10 or 2, and two additional hours to be arranged. EXAM GROUP: 3, 7

For students with significant listening and speaking background. Introductory Modern Chinese language course, with emphasis on reading and writing. Covers in one term the equivalent of Chinese Ba and Bb.

Note: No auditors. May not be taken Pass/Fail. Students must pass a test in listening and speaking to take this course.

Chinese 100. Mandarin Pronunciation and Grammar for Speakers of Cantonese Dialects

Catalog Number: 7291

Shengli Feng

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

An introduction to modern Chinese pronunciation. Offering a systematic contrast and comparison between the sound and syntactic systems of the two dialects, for students who are native speakers of Cantonese and have a strong background in reading. Those who wish to continue will be prepared for Chinese 113b, Advanced Conversational Chinese.

Chinese 101a. Intermediate Modern Chinese

Catalog Number: 4283

Xuedong Wang

Half course (fall term). Sections Tu., Th., at 10, 11, or 2, and three additional hours to be arranged. EXAM GROUP: 12, 13, 16

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). Sections Tu., Th., at 10, 11, or 2, and three additional hours to be arranged. EXAM GROUP: 12, 13, 16

Continuation of Chinese 101a.

Chinese 101x. Intermediate Modern Chinese for Advanced Beginners

Catalog Number: 7034

Hui-Yen Huang

Half course (spring term). Sections M., W., F. at 10 or 2, and two additional hours to be arranged. EXAM GROUP: 3, 7

Continuation of Chinese Bx. Covers in one term 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

Continuation of Chinese Aab.

Note: Satisfies prerequisite for third year Chinese.

Prerequisite: Chinese Aab, or Ba and Bb, or equivalent.

Chinese 105a. Advanced Modern Chinese

Catalog Number: 6724

Shao-ling V. Wang

Half course (fall term). Sections M., W., F., at 10, 11, or 2, and two additional hours to be arranged. EXAM GROUP: 3

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

Shao-ling V. Wang

Half course (spring term). Sections M., W., F., at 10, 11, or 2, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Chinese 105a.

Note: Conducted in Chinese.

Prerequisite: Chinese 105a.

Chinese 108a. Cantonese

Catalog Number: 0223

Shengli Feng

Half course (fall term). Tu., Th., 11:30–1; M., W., 2–3:30. EXAM GROUP: 13, 14



Nonintensive introduction to Cantonese dialect. Emphasizes basic pronunciation and colloquial usage.

Note: Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years formal study of Mandarin.

Chinese 108b. Cantonese

Catalog Number: 0831

Shengli Feng

Half course (spring term). Tu., Th., 11:30–1; M., W., 2–3:30. EXAM GROUP: 13, 14

Continuation of Chinese 108a.

Note: Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years formal study of Mandarin and Chinese 108a or equivalent.

Chinese 110a. Advanced Readings in Modern Chinese

Catalog Number: 1945

Yu Feng

Half course (fall term). Sections M., W., F., at 10, or 1, and two additional hours to be arranged.

EXAM GROUP: 3

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

Yu Feng

Half course (spring term). Sections M., W., F., at 10, or 1, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Chinese 110a.

[Chinese 111r. Readings in Modern Chinese Literature and Culture]

Catalog Number: 7049

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

This year's topic will be essays written between 1911 and 1949. We will read essays by Lu Xun, Zhou Zuoren, Feiming, Shen Congwen, Wang Zengqi, Su Qing, and Zhang Ailing (Eileen Chang). We will discuss their stylistic characteristics as well as their literary and cultural implications.

Note: Expected to be given in 2004–05. 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

Pei-chia Chen 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

Pei-chia Chen 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 105b, or equivalent.

Chinese 115a. Beginning Taiwanese (Southern Min) Conversation

Catalog Number: 2299

Chin-An Li

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.

[Chinese 115b. Beginning Taiwanese (Southern Min) Conversation]

Catalog Number: 5696

Chin-An Li

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

Continuation of Chinese 115a.

Note: Expected to be given in 2004–05. No auditors. Intended for non-native speakers.

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). M., W., 2:30–4. EXAM GROUP: 7, 8

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). Hours to be arranged.

Note: Expected to be given in 2004–05. No auditors.

Prerequisite: Continuation of Chinese 116a or equivalent.

Chinese 117a. Advanced Taiwanese

Catalog Number: 9384

Chin-An Li

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



Note: No auditors.

Prerequisite: Chinese 116b or permission of the instructor.

[Chinese 117b. Advanced Taiwanese]

Catalog Number: 0115

Chin-An Li

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

Note: Expected to be given in 2004–05. No auditors.

Prerequisite: Chinese 117a or permission of the instructor.

Chinese 125. Business Chinese

Catalog Number: 6558

Yu Feng

Half course (spring term). M., W., at 11, and two additional hours to be arranged. EXAM GROUP: 4

Designed for students interested in international business or for students who intend to work or travel for business in Chinese-speaking communities (including China, Taiwan, Hong Kong, and Singapore), or for students who desire to improve their Chinese language proficiency. An introduction to business and economic climates, practices and customs of these communities. Students learn specialized business and economic vocabulary and the principles of business correspondence.

Note: Conducted in Chinese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students.

Prerequisite: At least three years of Modern Chinese or equivalent (with instructor's permission).

Chinese 130. Traditional Chinese Philology

Catalog Number: 2801

Shengli Feng

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

Traditional Chinese philology consists of a set of principles and techniques in four major areas: paleography, historical phonology, exegesis and historical syntax. Students will acquire proficiency in theories, principles, and techniques that enable them to decode the ancient language rationally and that facilitate their understanding and translation accurately.

Prerequisite: Chinese 107b or equivalent.

[Chinese 187. Art and Violence in the Cultural Revolution]

Catalog Number: 1253

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

We examine the cultural implications of the Cultural Revolution (1966-1976) by asking how art was violent towards people and how violence was turned into an art. Considers fiction, essays, “revolutionary Peking operas,” drama, and movies produced during this period, and about this period.

Note: Expected to be given in 2004–05. 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

Yu Feng

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

We will read a series of contemporary Chinese articles in the social sciences.

Note: Conducted entirely in Chinese

Prerequisite: At least three years of Mandarin or equivalent (with instructor's permission).

Literary Chinese Courses

Chinese 106a. Introduction to Literary Chinese

Catalog Number: 1185

Paul Rouzer

Half course (fall term). M., W., F., at 11 or 1. EXAM GROUP: 4, 6

Basic grammar and the reading of simple historical narrative.

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 11; Section II: M., W., F., at 1. EXAM GROUP: 4, 6

Introduction to pre-Qin philosophical texts.

Prerequisite: Chinese 106a or permission of instructor.

Chinese 107a. Intermediate Literary Chinese

Catalog Number: 3343

Paul Rouzer

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

A second-year course in literary Chinese, covering the genres and styles used in the imperial period. *guwen* prose.

Prerequisite: One year of literary Chinese.

Chinese 107b. Intermediate Literary Chinese

Catalog Number: 6931

Paul Rouzer

Half course (spring term). M., W., F., at 10, or at 12. EXAM GROUP: 3, 5

Continuation of 107a; emphasis on poetry and lyric (*shi ci*), parallel prose (*pianti wen*), and rhapsody (*fu*).

Prerequisite: Chinese 107a or equivalent.

Primarily for Graduates

[Chinese 215r (formerly Chinese 215). Literary and Cultural Discourse in Premodern China]



Catalog Number: 8043

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

Topic: the 6th century (Liang, Chen, and Sui) with an emphasis on the court culture of the Liang. Readings include poetry, essays, letters, memorials, histories, religious texts, and zhiguai stories.

Note: Expected to be given in 2004–05. 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

Shengli Feng

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

Introduction to teaching Modern Standard Chinese as a second language at college level.

Reviews concepts and publications relating to trends in second language teaching, pedagogical issues and materials concerned with teaching MSC, observation of teaching.

Note: Expected to be given in 2004–05.

China: History Courses

For Undergraduates and Graduates

[Chinese History 111. Introduction to Chinese History: Pre-Imperial and Imperial China, ca. 1700 BC-AD 755]

Catalog Number: 7133

Michael James Puett

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

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: Expected to be given in 2005–06. No prior course work in Chinese history is presupposed.

[Chinese History 116c. Modern Chinese Intellectual History]

Catalog Number: 7223

Wei-Ming Tu

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

Explores the important themes and diverse idioms of critical thinking in China's modern transformation. 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.

Note: Expected to be given in 2005–06.

[Chinese History 141. Social and Cultural History of Late Imperial China](#)

Catalog Number: 9216

Michael A. Szonyi (University of Toronto)



Half course (spring term). W., F., at 1; F., at 2. EXAM GROUP: 6, 7

Examines gender, family and kinship; education and the examination system, religion and ritual; and urbanization and commerce during the Song to mid-Qing dynasties, with historiographical analysis of the periodization scheme used. Considers how social and cultural topics can shape our understanding of political and intellectual history.

Chinese History 185. The Historiography of the Middle Period

Catalog Number: 5197

Peter K. Bol

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

Discussion of scholarship on Chinese history from the mid-eighth century to the seventeenth century.

Prerequisite: General knowledge of Chinese history.

Cross-listed Courses

[Foreign Cultures 48. The Cultural Revolution]

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]

[History of Science 103. Chinese Medical History]

Primarily for Graduates

Chinese History 211. Research on Chinese History and Civilization: Tools and Methods

Catalog Number: 4895

Endymion Porter Wilkinson

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

Covers basic problems encountered in doing research on China in the humanities and social sciences; surveys main types of primary sources; analyzes canons and praxis; introduces the most efficient printed and electronic reference tools.

Prerequisite: A working knowledge of Chinese and Japanese is helpful.

Chinese History 225r. Topics in Song History: Seminar

Catalog Number: 5075

Peter K. Bol

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

Examines various topics in the political, social, and intellectual history of Song China.

Prerequisite: Knowledge of literary Chinese.

[Chinese History 226. Introduction to Sources for Local History]

Catalog Number: 7114

Peter K. Bol

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

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.

Note: Expected to be given in 2005–06.

Prerequisite: One year of literary Chinese or the equivalent.

Chinese History 227r. Topics in Middle-Period Sociocultural History: Seminar

Catalog Number: 7132

Peter K. Bol

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

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 228. Introduction to Neo-Confucianism]

Catalog Number: 2130

Peter K. Bol

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

Introduces major Neo-Confucian texts for close reading and analysis. Selections from the writings and records of spoken instruction by Zhou Dunyi, Chang Zai, Cheng Yi, Cheng Hao, Zhu Xi, Liu Jiuyuan, and others.

Note: Expected to be given in 2004–05.

Chinese History 230. Gender and Creativity in the Visual Arts in China

Catalog Number: 1614

Felicity A. Lufkin

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

This seminar looks at issues of gender and creativity through the lens of women's participation in the visual arts in late imperial and modern China. Where did women fit in the largely male-dominated fields of painting and calligraphy? What happens if we look at traditionally “female” fields like needlework as legitimate forms of artistic expression? How has the gendered nature of artistic creativity been restructured in the modern period?

Note: Prior knowledge of Chinese art history useful but not required.

[Chinese History 232. Topics in Han History]

Catalog Number: 7542

Michael James Puett

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

Examines various topics in the history of the Han Dynasty.

Note: Expected to be given in 2004–05.

[Chinese History 235. Topics in Warring States History: Seminar]

Catalog Number: 1499

Michael James Puett

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

Close reading of texts from the Warring States period.

Note: Expected to be given in 2005–06.



Chinese History 241. The Local Cult in Late Imperial China

Catalog Number: 2136

Michael A. Szonyi (University of Toronto)

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

Examines the history of local cults in the late imperial period, with particular reference to southern China. Uses primary sources and Chinese and Western scholarship to discuss topics including: syncreticism; state regulation and cultural integration; the relationship between Daoism and popular religion.

Chinese History 251. Confucian Ethics: Conference Course

Catalog Number: 2428

Wei-Ming Tu

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

An exploration of salient features in the Confucian mode of moral reasoning.

Note: Offered jointly with the Divinity School as 3857.

Chinese History 252. The Conquest Dynasties

Catalog Number: 6854

Mark C. Elliott

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

Examines the history of northern alien “regimes” established in China in comparative perspective. Attention given to historiographical as well as theoretical issues of conquest, colonialism, law, identity, language, and gender. The focus this year is on the Qing.

Prerequisite: Reading knowledge of modern Chinese and/or Japanese required.

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: Seminar]

[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.

Survey of important literary works of twentieth century China. Emphasis will be placed on short stories, but a few novels, plays, and poems will also be included. Class lectures will present important historical and literary background to the period under scrutiny: from the 1910s, through the May Fourth Movement, the radicalization of the 30s, the Anti-Japanese War, the



period of socialist construction, the Cultural Revolution, liberalization of the post-Mao era, and cultural commercialization of the 1990s.

Note: Expected to be given in 2004–05. Readings in English.

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; and a weekly film screening Tu., 7-10 pm. 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; film’s relationship to literary and pop culture discourses; aesthetic responses to historical crises; “spectacular” violence and the martial arts genre. Please see website for a more detailed course description.

Note: Lectures and readings in English, plus weekly film screenings. No prior background in subject matter required. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures.

Chinese Literature 132. Chinatowns

Catalog Number: 8316

Eileen Cheng-yin Chow

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

Explores ways that “Chinatown” has circulated as ‘memory, fantasy, narrative, myth’ in the dominant cultural imagination the last century and a half, and how realities of overseas communities, Asian American history, and conceptions of ‘Chineseness’ have engaged with real and phantom Chinatowns. Though emphasis is on cultural and theoretical issues rather than socio-historical study of the “Chinatown” phenomenon, participants are encouraged to pursue multi-disciplinary approaches, such as studies in urban history, economics, or creative projects.

Note: Primarily for undergraduates; graduate students may enroll with permission of instructor.

[Chinese Literature 150. Diaspora and Transnationalism]

Catalog Number: 1470

Eileen Cheng-yin Chow

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

Examines historical and cultural notions of nations, diasporas, and homes intersecting with new economic and social arrangements that create flows of people across the globe. Readings on nationalism, transnationalism, and identity; their relation to memory, knowledge, and narrative; hybrid/minority cultural formations; and role mass media has played creating transnational publics. Perspectives from Anderson, Appadurai, Bhabha, Chow, Clifford, Gilroy, Hall, Radhakrishnan, Ong, Spivak; creative texts include those by Danticat, Lahiri, Ondaatje, Ozeki, Rushdie, and selected films.

Note: Expected to be given in 2005–06.

Chinese Literature 158. Passion and Duty in Chinese Drama

Catalog Number: 8085

Wilt Lukas Idema



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

Traditional and modern Chinese literature have a rich dramatic tradition. We will read (in translation) representative plays from the major dramatic genres from the 13th to the 20th century, drawing upon existing scholarship and criticism, we emphasize the ways in which the conflict between passion (love, revenge) and duty (filial piety, loyalty to the state) is dealt with in each case.

[Chinese Literature 160. Heroes and Anti-heroes in Chinese Literature: Seminar]

Catalog Number: 9930

Wai-ye Li

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

Traces the protean transformations of heroes in Chinese literature. 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, authority, success, failure. Ironic displacement and folk transformations of heroes bring us to the origins of Chinese fiction. Concentrates on liminal types, such as the knight-errant, trickster, frustrated scholar, aesthete, marginal woman, and social outcast becoming dominant figures in Chinese fiction.

Note: Expected to be given in 2004–05.

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

[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.

Note: Primarily for first- and second-year graduate students in Chinese literature.

[Chinese Literature 201a. History of Chinese Literature: Beginnings through Song]

Catalog Number: 0165

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 2004–05.

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.

Continuation of Chinese Literature 201a. Provides an in-depth overview of the development of Chinese literature during the late imperial period, with special (but not exclusive) emphasis on the development of vernacular literature.

Note: Expected to be given in 2004–05.

Chinese Literature 208. Readings in Buddhist *Bianwen* from Dunhuang

Catalog Number: 0743

Wilt Lukas Idema

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

Based on modern critical editions and photographic reproductions of the original manuscripts we read a selection of the prosimetrical and poetical texts on Buddhist subjects discovered at Dunhuang dating from Tang and Five Dynasties periods.

[Chinese Literature 222. The Long Twentieth Century: Seminar in Modern Chinese Literature]

Catalog Number: 4301

Eileen Cheng-yin Chow

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

Examines the “long twentieth century” of Chinese literature, from late Qing to present, emphasis on the urban and the popular (*tongsu*). Introduces the material, helps in general preparation, and raises questions for further research.

Note: Expected to be given in 2004–05.

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). Tu., 2–4. EXAM GROUP: 16, 17

The topic for this year will be fictional translations in the late Qing and early Republican period.

Prerequisite: Advanced command of modern Chinese.

Chinese Literature 225. Visual Evidence

Catalog Number: 7222

Eileen Cheng-yin Chow

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

Through texts and investigations into visual practices, explores interactions of social context, technology, and culture in Qing and Republican China, and the role material media plays in



changing epistemological formations, and in defining the “modern”.

Prerequisite: Advanced command of modern Chinese; ability to read classical Chinese.

Chinese Literature 227. Early Chinese Historiography: Seminar

Catalog Number: 3773

Wai-yee Li

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

Studies *Zuozhuan* and *Shiji* and ponders early Chinese conceptions of history by examining rhetorical and narrative modes. The focus is problems of interpretation - 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.

Prerequisite: Reading knowledge of classical Chinese.

Chinese Literature 230. The Vernacular Short Story (*huaben xiaoshuo*); Historical and Critical Approaches

Catalog Number: 6268

Wilt Lukas Idema

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

Deals with the development of the vernacular short story, focusing on Feng Menglong's *Sanyan* (1620-1627), a compilation of 120 stories old and new. Also looks at the vernacular narratives of the Tang as found in Dunhuang and follow the development of the genre throughout the 17th and 18th centuries.

[Chinese Literature 231. Late-Ming Literature and Culture]

Catalog Number: 2770

Wai-yee Li

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

Surveys writings from second half of sixteenth century until fall of Ming, including prose (including “informal essays”), poetry, drama, fiction. Examines late-Ming literary-aesthetic sensibility (and questions how such a category may be justified.)

Note: Expected to be given in 2004–05.

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). Hours to arranged.

Examines works in Qing prose, poetry, fiction, and drama. Focuses on memory and representation of the fall of the Ming in early Qing. Explores how this preoccupation merges and co-exists with developments in this period.

Note: Expected to be given in 2004–05.

Prerequisite: Reading knowledge of classical and pre-modern vernacular Chinese required.

Chinese Literature 239. Women in Late-Imperial Chinese Literature

Catalog Number: 7569

Wai-yee Li



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

Introduces students to women writers in the Ming and Qing dynasties. Also examines modes of representing female talent, virtues, and vices, as well as gender roles and boundaries in various genres.

[Chinese Literature 251. Liaozhai Zhiyi: Editions and Adaptations]

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.

Compares the author's handwritten copy to later manuscripts and the earliest printed versions; and examines annotated editions, and adaptations.

Note: Expected to be given in 2004–05.

[Chinese Literature 266r. Topics in Ancient Literature]

Catalog Number: 6253

Stephen Owen

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

Topic: the Shijing.

Note: Expected to be given in 2004–05.

Prerequisite: Two years of literary Chinese, or the equivalent.

Chinese Literature 267r. Topics in Tang Literature

Catalog Number: 8521

Stephen Owen

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

The topic for the fall term is Li Shangyin, and for the spring term Early and High Tang.

[Chinese Literature 268r. Topics in Song and Yuan Literature]

Catalog Number: 7143

Stephen Owen

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

Fourteenth century poetry and poetics.

Note: Expected to be given in 2004–05.

Graduate Courses of Reading and Research

***Chinese 300. Reading and Research**

Catalog Number: 4849

Peter K. Bol 8014, Eileen Cheng-yin Chow 2308, Robert M. Gimello (University of Arizona) 9240, Patrick D. Hanan 1413, Wilt Lukas Idema 2511, Philip A. Kuhn 8051, Leo Ou-Fan Lee 3299 (on leave fall term), Wai-yee Li 3357, Stephen Owen 7418, Michael James Puett 1227, Paul Rouzer 3705, Wei-Ming Tu 7233, and Endymion Porter Wilkinson 4049

Japan: Language Courses



For Undergraduates and Graduates

Japanese Ba. Elementary Japanese

Catalog Number: 2014

Itsuko Nakamura

Half course (fall term). Sections M., W., F., at 9, 10, or 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2, 3, 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

Itsuko Nakamura

Half course (spring term). Sections M., W., F., at 9, 10, or 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2

Continuation of Japanese Ba. Approximately 150 additional Chinese characters.

Prerequisite: Japanese Ba or equivalent.

Japanese 101a. Intermediate Japanese I

Catalog Number: 8152

Satomi Matsumura

Half course (fall term). Sections M., W., F., at 9, 10, or 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2

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 I

Catalog Number: 6433

Satomi Matsumura

Half course (spring term). Sections M., W., F., at 9, 10, or 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2

Continuation of Japanese 101a.

Japanese 103a. Intermediate Japanese II

Catalog Number: 4855

Emi Yamanaka

Half course (fall term). M. through F., at 9 or 1. EXAM GROUP: 2, 6, 11

Third-year intermediate advanced course. Development of skills in reading authentic materials from contemporary Japanese media and fiction and in aural comprehension of contemporary television news and drama with decreased reliance on pedagogical aids. Development of speaking and writing skills to an increasingly sophisticated level. Introduction of approximately 700 additional Chinese characters beyond those introduced in 101ab.

Prerequisite: Japanese 101b or equivalent.



Japanese 103b. Intermediate Japanese II

Catalog Number: 6904

Emi Yamanaka

Half course (spring term). M. through F., at 9 or 1. EXAM GROUP: 2, 6, 11

Continuation of Japanese 103a.

Japanese 104a. Advanced Modern Japanese

Catalog Number: 3688

Yuko K. Kageyama-Hunt

Half course (fall term). Sections M. through F., at 9, or 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. Kageyama-Hunt

Half course (spring term). Sections M. through F., at 9, or 10. EXAM GROUP: 2, 11

Continuation of Japanese 104a.

Japanese 106a. Classical Japanese

Catalog Number: 1492

Edwin A. Cranston

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

Introduction to classical grammar and texts.

Prerequisite: Japanese 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 2004–05.

Prerequisite: Japanese 106a or equivalent.

Japanese 106c. Later Classical Japanese

Catalog Number: 7307

Edwin A. Cranston

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

Post-Heian writings in Classical Japanese.

Prerequisite: Japanese 106a or equivalent.

Japanese 109. Translating Modern Fiction

Catalog Number: 0323

Jay Rubin

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



Practice translating a variety of prose styles in Meiji and later fiction.

Note: Conducted in English.

Prerequisite: Japanese 103b or equivalent.

Japanese 110a. Readings in the Social Sciences

Catalog Number: 4693

Yuko K. Kageyama-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. Kageyama-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 176. History of the Japanese Language]

Primarily for Graduates

Japanese 207. Japanese Historical Writing

Catalog Number: 9716

Harold Bolitho

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

An introduction to historical source materials from the Tokugawa period (1600-1868).

Japanese 209a. Reading Scholarly Japanese for Students of Chinese and Korean

Catalog Number: 9182

Jay Rubin

Half course (fall term). M., W., F., at 9, and an additional weekly section 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 Scholarly Japanese for Students of Chinese and Korean

Catalog Number: 8918

Jay Rubin

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.

Japan: History Courses

For Undergraduates and Graduates

[Japanese History 111a. Ancient and Medieval 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 2004–05.

[Japanese History 116b. History of Japanese Religions: Conference Course]

Catalog Number: 2712

Helen Hardacre

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

A historical survey of Japanese religions from 1600 to the present.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3523.

[Japanese History 119. The History and Historiography of Ancient and Medieval Japan]

Catalog Number: 2510

Mikael Adolphson

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

A seminar focusing on the main themes and historiographical problems of premodern Japan from the emergence of the first stratified societies to the Ashikaga Shogunate, through a critical reading of both translated primary sources and scholarly works.

Note: Expected to be given in 2005–06.

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. 20th-Century Japan: Conference Course]

History 1854. Gender and Japanese History: Conference Course

History of Art and Architecture 18k. Introduction to Japanese Art



Primarily for Graduates

Japanese History 211. Introduction to Ancient and Medieval Japanese Historical Sources

Catalog Number: 8174

Mikael Adolphson

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

An introduction to the reading and usage of original sources of ancient and medieval Japan with particular emphasis on Heian and Kamakura documents and diaries.

Prerequisite: Knowledge of classical Japanese and Kambun.

[Japanese History 212. Interpreting Edo Biographies]

Catalog Number: 9718

Harold Bolitho

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

A seminar based on the study of selected Japanese language works which address the lives and social interactions of individuals, warriors, and others, of the Tokugawa period.

Note: Expected to be given in 2004–05.

[Japanese History 250. Religion, State, and Society in Modern Japan]

Catalog Number: 9710

Helen Hardacre

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

Examination of problems in the study of religion in modern and contemporary Japanese society. The subject this year will be the modernization of Japanese religions.

Note: Expected to be given in 2005–06.

Prerequisite: Reading knowledge of modern Japanese.

[Japanese History 255. Topics in the Study of Shinto]

Catalog Number: 9448

Helen Hardacre

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

Examination of various themes and issues in the history of Shinto. The subject this year will be the Shinto festival (*matsuri*).

Note: Expected to be given in 2004–05.

Prerequisite: Reading knowledge of modern Japanese.

Cross-listed Courses

***History 2851. Japanese History: Seminar**

[History 2854. Issues in Tokugawa and Meiji History: Seminar]

Japan: Literature Courses

For Undergraduates and Graduates



Japanese Literature 121a. History of Japanese Literature

Catalog Number: 5891

Adam L. Kern

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

Surveys some of the most consequential, absorbing, and exquisitely wrought works of classical, medieval, and early modern Japanese literature, including *The Tale of Genji* in English translation.

Japanese Literature 121b. Modern Japanese Literature

Catalog Number: 1069

Jay Rubin

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

Reading and discussion of major modern Japanese novels in English translation.

[Japanese Literature 140. Edo Popular Culture]

Catalog Number: 9359

Adam L. Kern

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

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.

Note: Expected to be given in 2004–05. Knowledge of Japanese useful, but not required.

[Japanese Literature 141. Edo's Spectacular Culture]

Catalog Number: 9347

Adam L. Kern

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

Explores the visual culture of Edo (the major urban center of early modern Japan) as seen through its literature, theatre, and woodblock prints. Japanese not required.

Note: Expected to be given in 2005–06.

Japanese Literature 143. Popular Theater of Early Modern Japan

Catalog Number: 7354

Adam L. Kern

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

Conference course on the kabuki and puppet theaters of the Edo period (1600-1867). Works by playwrights Chikamatsu Monzaemon, Takeda Izumo II, Chikamatsu Hanji, Sakurada Jisuke I, Namiki Gohei I, Tsuruya Nanboku, and others. In English translation.

Cross-listed Courses

Literature and Arts C-42. Constructing the Samurai

Primarily for Graduates



Japanese Literature 220r. The Development of Modern Japanese Fiction

Catalog Number: 1831

Jay Rubin

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

The tradition of *waka* poetry from its origins to the 15th century.

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 2004–05.

Prerequisite: Japanese 106a or equivalent.

Japanese Literature 233r. Nara and Heian Court Literature

Catalog Number: 8614

Edwin A. Cranston

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

Topic: *Genji Monogatari* and its translations.

Prerequisite: Japanese 106a or equivalent.

Japanese Literature 235. No and Kyogen

Catalog Number: 0869

Jay Rubin

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

Close reading of *No* and *Kyogen* texts.

[Japanese Literature 241. Comic Imagination in Japanese Literature]

Catalog Number: 2732

Adam L. Kern

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

An exploration of 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.

Note: Expected to be given in 2004–05.

Prerequisite: Japanese 106a and 106b, or the instructor's permission.

Japanese Literature 242. Survey of Early Modern Japanese Literature

Catalog Number: 0324



Adam L. Kern

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

Rapid readings of excerpts from major works across several genres of popular literature, including kanazôshi, hyôbanki, ukiyozôshi, dangibon, sharebon, kibyôshi, and kokkeibon.

Prerequisite: Japanese 106a or equivalent.

Japanese Literature 243r (formerly Japanese Literature 243). Major Writers: Chikamatsu Monzaemon

Catalog Number: 5558

Adam L. Kern

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

Close readings in the kabuki and puppet plays of Chikamatsu Monzaemon, widely considered to be the greatest playwright of early modern Japan.

Prerequisite: Japanese 106a or equivalent.

Graduate Courses of Reading and Research

***Japanese 300. Reading and Research**

Catalog Number: 4627

Mikael Adolphson 1878, Harold Bolitho 1176 (on leave spring term), Daniel V. Botsman 1249 (spring term only), Edwin A. Cranston 1186, Andrew Gordon 1891, Helen Hardacre 3191 (on leave 2003-04), Wesley M. Jacobsen 3443 (on leave 2003-04), Adam L. Kern 4195, Satomi Matsumura 2665, and Jay Rubin 3544

Korea: Language Courses

For Undergraduates and Graduates

Korean Ba. Elementary Korean for True Beginners

Catalog Number: 8739

Sung Hee Hong

Half course (fall term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

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

Sung Hee Hong

Half course (spring term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Korean Ba.

Prerequisite: Korean Ba or equivalent.



Korean Bxa (formerly Korean Bx). Elementary Korean for Advanced Beginners

Catalog Number: 0120

Sung Hee Hong

Half course (fall term). M., W., F., at 11, and two additional hours to be arranged. EXAM GROUP: 4

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

Sung Hee Hong

Half course (spring term). M., W., F., at 11, and two additional hours to be arranged. EXAM GROUP: 4

Continuation of Korean Bxa.

Korean 102a. Intermediate Korean

Catalog Number: 5884

Sang-suk Oh

Half course (fall term). Tu., Th., at 11; and three additional hours to be arranged. EXAM GROUP: 13

Continuation of elementary Korean to consolidate students' knowledge of the fundamental grammatical structures of Korean with an aim to increase their abilities to communicate using Korean in a wide range of daily-life transactional situations. Approximately 250 Chinese characters are introduced. After successful completion of second-year Korean, students are expected 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). T., Th., at 11, and three additional hours to be arranged. EXAM GROUP: 13

Continuation of Korean 102a. Introduction of approximately 200-250 Chinese characters beyond those introduced in Korean 102a.

Prerequisite: Korean 102a or equivalent.

Korean 103a. Pre-advanced Korean

Catalog Number: 2071

Sook Lee

Half course (fall term). Tu., Th., 2-4. 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. Pre-advanced Korean

Catalog Number: 2662

Sook Lee

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

Continuation of Korean 103a.

Prerequisite: Korean 103a or equivalent.

Korean 104a. Advanced Korean

Catalog Number: 5723

Sang-suk Oh

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

Development of skills in reading materials from contemporary Korean media and fiction and in aural comprehension of contemporary television news and drama with decreased reliance on pedagogical aids. After successful completion of fourth-year Korean, students should be able to satisfy the requirements of various everyday, school, and work situations and follow essential points of written discourse which are abstract and linguistically complex, and also to write about a variety of topics in detail with precision.

Prerequisite: Korean 103b or equivalent.

Korean 104b. Advanced Korean

Catalog Number: 3011

Sang-suk Oh

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

Continuation of Korean 104a.

Prerequisite: Korean 104a or equivalent.

Korean 110a. Readings in Cultural Studies

Catalog Number: 1936

Sook Lee

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

Sook Lee

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

Continuation of Korean 110a.

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). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

Korean History 118. History of the Chosôn Dynasty: Conference Course

Catalog Number: 3231

Tae-jin Yi

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

Reading and discussion of Chosôn society and culture, focusing on the emergence of yangban, development of agriculture, population change, and Confucian political culture and ideology.

Note: Conducted in Korean.

Cross-listed Courses

Foreign Cultures 80. Korean Cultural Identities

Historical Study A-75. The Two Koreas

Primarily for Graduates

[Korean History 230r. Readings in Premodern Korean History]

Catalog Number: 4497

Sun Joo Kim

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

Examines social, political, economic, and intellectual history of premodern Korea by reviewing major scholarship in the field. Designed primarily for graduate students preparing for the general examination. All readings are in English.

Note: Expected to be given in 2004–05.

Prerequisite: Korean History 111 or equivalent.



Korean History 235r. Historical Research in Korea

Catalog Number: 7886

Tae-jin Yi

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

Exploring Korean history through the prism of Neo-Catastrophism by reviewing the related publications in Korea and the West.

Prerequisite: Korean History 111 or equivalent and proficiency in Korean.

[Korean History 240r. Selected Topics in Premodern Korean History: Seminar]

Catalog Number: 9837

Sun Joo Kim

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

Reading and research of selected primary sources and secondary works on premodern Korean history.

Note: Expected to be given in 2004–05.

Prerequisite: Korean History 111 or equivalent and reading proficiency in Korean. Reading ability in classical Chinese and Japanese helpful.

***Korean History 255r. Modern Korean History: Seminar**

Catalog Number: 0713

Carter J. Eckert

Full course (indivisible). Tu., 2–4. EXAM GROUP: 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

Half course (fall 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 2004–05.

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 to the 21st century.

Note: Expected to be given in 2004–05.

Primarily for Graduates



[Korean Literature 210r. 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 2004–05. Readings in English and Korean.

Prerequisite: Korean Literature 132 or equivalent.

Korean Literature 212. Modern Korean Poetry

Catalog Number: 5627

David McCann

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

Major and minor voices in 20th and 21st-century Korean poetry. Attention to the practices of reading and translation, and to the political contexts of modern Korean poetry.

Note: Readings in English and Korean.

Prerequisite: Korean Literature 132 or equivalent.

Korean Literature 226. History of Modern Korean Literature

Catalog Number: 6744

Youngmin Kwon (Seoul National University, Korea)

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

Examines works in the following three stages of modern Korean literature: the Enlightenment Period, the Japanese Colonial Period, and the National Division Period. Focus is on the characteristic change of literary genres.

Korean Literature 228. Modern Korean Fiction

Catalog Number: 7167

Youngmin Kwon (Seoul National University, Korea)

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

Explores the various themes of fiction such as family, class, generation, gender, ideology, city, and labor, which change following the course of modernization of Korean society. Also discusses the forms and techniques of modern Korean fiction as a genre.

Note: Students are required to read the selected stories in the original and English translations when available.

Prerequisite: Reading knowledge of Korean.

Graduate Courses of Reading and Research

***Korean 300. Reading and Research**

Catalog Number: 8122

Carter J. Eckert 1178, Sun Joo Kim 3821 (on leave 2003-04), Youngmin Kwon (Seoul National University, Korea) 4664 (spring term only), and David McCann 3635 (on leave spring term)

Manchu: Language Courses



For Undergraduates and Graduates

[Manchu A. Elementary Manchu]

Catalog Number: 8961

James E. Bosson (University of California, Berkeley)

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

Introduction to Manchu grammar with elementary readings in Manchu script.

Note: Expected to be given in 2004–05.

[Manchu B. Advanced Manchu]

Catalog Number: 1625

James E. Bosson (University of California, Berkeley)

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 2004–05.

Manchu C. Advanced Manchu

Catalog Number: 4190

James E. Bosson (University of California, Berkeley)

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

Readings in a wide variety of Manchu texts. English to Manchu translation exercises.

Manchu D. Advanced Manchu

Catalog Number: 1414

James E. Bosson (University of California, Berkeley)

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

Intensive reading in Manchu archival materials, other historical texts and literary texts. Some texts in pre-diacritical form. English to Manchu translation exercises.

Graduate Courses of Reading and Research

***Manchu 300. Reading and Research**

Catalog Number: 8735

James E. Bosson (University of California, Berkeley) 2350 and Mark C. Elliott 3329

Mongolian: Language Courses

For Undergraduates and Graduates

[Mongolian A. Elementary Written Mongolian]

Catalog Number: 2965

James E. Bosson (University of California, Berkeley)

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

Study of classical Mongolian grammar, with introduction to pre-classical and classical



Mongolian texts.

Note: Expected to be given in 2004–05.

[Mongolian B. Intermediate Written Mongolian]

Catalog Number: 8489

James E. Bosson (University of California, Berkeley)

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

Readings in classical Mongolian texts.

Note: Expected to be given in 2004–05.

Mongolian C. Advanced Written Mongolian

Catalog Number: 0810

James E. Bosson (University of California, Berkeley)

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

Readings in classical and modern Mongolian texts.

Mongolian D. The Secret History of the Mongols

Catalog Number: 4032

James E. Bosson (University of California, Berkeley)

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

The Secret History of the Mongols as linguistic, literary, and historical source.

Graduate Courses of Reading and Research

***Mongolian 300. Reading and Research**

Catalog Number: 1345

James E. 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 219. Tibetan Tantric 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). F., at 8:30, Tu., Th., 8:30–10:30. EXAM GROUP: 1, 2, 10

Continuation of Vietnamese Ba, with introduction of additional Vietnamese texts and advertisements to enhance reading skills.

Prerequisite: Vietnamese Ba or permission of the instructor.

Vietnamese 101a. Intermediate Vietnamese

Catalog Number: 3276

Binh Ngo

Half course (fall term). M. through F., at 8. EXAM GROUP: 1, 10

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., 8–10, Tu., at 12. EXAM GROUP: 1, 2, 14

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, Tu., Th., at 1. EXAM GROUP: 4, 15

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., at 10, W., F., 10–12. EXAM GROUP: 3, 4

Continuation of Vietnamese 103a.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 103a or permission of the instructor.

Vietnam: History Courses



Cross-listed Courses

[Anthropology 238. Reorienting Southeast Asia](#)
[Foreign Cultures 60. Individual, Community, and Nation in Vietnam](#)
[Historical Study B-68. America and Vietnam: 1945–1975]
[History 1820. Premodern Vietnam]
[History 1821. Modern Vietnam](#)

Graduate Courses of Reading and Research

***Vietnamese 300. Reading and Research**

Catalog Number: 7211

Binh Ngo 1383

Economics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Economics

Alberto F. Alesina, Nathaniel Ropes Professor of Political Economy (*Chair*)
Philippe Aghion, Professor of Economics, Robert C. Waggoner Professor of Economics
Attila Ambrus, Assistant Professor of Economics
Pol Antràs, Assistant Professor of Economics
Beatriz Armendariz, Lecturer on Economics
Robert J. Barro, Robert C. Waggoner Professor of Economics
Susanto Basu, Visiting Professor of Economics (*University of Michigan*)
Laurent E. Calvet, John L. Loeb Associate Professor of the Social Sciences (*on leave 2004-05*)
John Y. Campbell, Otto Eckstein Professor of Applied Economics
Francesco Caselli, Paul Sack Associate Professor of Political Economy (*on leave fall term*)
Domingo F. Cavallo, Robert F. Kennedy Visiting Professor of Latin American Studies
Gary Chamberlain, Louis Berkman Professor of Economics (*Director of Graduate Studies*) (*on leave 2004-05*)
Richard N. Cooper, Maurits C. Boas Professor of International Economics (*on leave spring term*)
David M. Cutler, Professor of Economics
Martin Feldstein, George F. Baker Professor of Economics
Richard B. Freeman, Herbert S. Ascherman Professor of Economics
Benjamin M. Friedman, William Joseph Maier Professor of Political Economy, Associate of Dunster House (*Director of Undergraduate Studies*) (*on leave spring term*)
Drew Fudenberg, Frederic E. Abbe Professor of Economics (*on leave 2003-04*)



Edward L. Glaeser, Professor of Economics
 Claudia Goldin, Henry Lee Professor of Economics
 Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy
 Oliver S. Hart, Andrew E. Furer Professor of Economics (*on leave 2003-04*)
 Elhanan Helpman, Galen L. Stone Professor of International Trade (*on leave spring term*)
 Ali Hortacsu, Visiting Assistant Professor of Economics (*University of Chicago*) (*fall term only*)
 Caroline M. Hoxby, Professor of Economics
 Dale W. Jorgenson, Samuel W. Morris University Professor (*on leave fall term*)
 Lawrence F. Katz, Elisabeth Allison Professor of Economics
 Michael Robert Kremer, Gates Professor of Developing Societies
 David I. Laibson, Professor of Economics
 Judith Li, Assistant Professor of Economics
 N. Gregory Mankiw, Allie S. Freed Professor of Economics (*on leave 2004-05*)
 Stephen A. Marglin, Walter S. Barker Professor of Economics
 Robert Margo, Visiting Professor of Economics (*Vanderbilt University*) (*fall term only*)
 James L. Medoff, Meyer Kestenbaum Professor of Labor and Industry (*FAS and Kennedy School*)
 Marc J. Melitz, Assistant Professor of Economics
 Markus M. Möbius, Assistant Professor of Economics
 Randall Morck, Visiting Professor of Economics (*University of Alberta*) (*spring term only*)
 Marcelo J. Moreira, Assistant Professor of Economics
 Julie H. Mortimer, Assistant Professor of Economics (*on leave fall term*)
 Stefan Nagel, Lecturer on Economics
 Ariel Pakes, Professor of Economics
 Dwight H. Perkins, Harold Hitchings Burbank Professor of Political Economy (*on leave fall term*)
 Jack R. Porter, Associate Professor of Economics
 Kenneth Rogoff, Professor of Economics, Thomas D. Cabot Professor of Public Policy
 Alvin E. Roth, George Gund Professor of Economics and Business Administration (*FAS, Business School*) (*on leave spring term*)
 Xavier Sala-i-Martin, Visiting Professor of Economics (*Columbia University*) (*fall term only*)
 Michael A. Schwarz, Assistant Professor of Economics (*on leave 2003-04*)
 Amartya Sen, Lamont University Professor
 Andrei Shleifer, Whipple V. N. Jones Professor of Economics
 Jeremy C. Stein, Professor of Economics (*on leave 2003-04*)
 James H. Stock, Professor of Economics
 Lawrence H. Summers, Professor of Economics and 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 (*on leave 2003-04*)
 Jeffrey Wolcowitz, Senior Lecturer on Economics and Associate Dean of Harvard College

Other Faculty Offering Instruction in the Department of Economics



Christopher N. Avery, Professor of Public Policy (*Kennedy School*)
 George P. Baker, MBA Class of 1966 Professor of Business Administration (*Business School*)
 Malcolm Perkins Baker, Assistant Professor of Business Administration (*Business School*)
 Lucian Arye Bebchuk, William J. Friedman and Alicia Townsend Friedman Professor of Law, Economics, and Finance (*Law School*)
 David Bloom, Clarence James Gamble Professor of Economics and Demography (*Public Health*)
 Estelle Cantillon, Assistant Professor of Business Administration (*Business School*)
 George Carl Chacko, Associate 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*)
 William C. Hsiao, K. T. Li Professor of Economics (*Public Health*)
 Robert T. Jensen, Associate Professor of Public Policy (*Kennedy School*)
 Louis E. Kaplow, Professor of Law (*Law School*)
 Asim I. Khwaja, Assistant Professor of Public Policy (*Kennedy School*)
 Joshua Lerner, Jacob H. Schiff Professor of Investment Banking (*Business School*)
 Jeffrey B. Liebman, Associate Professor of Public Policy (*Kennedy School*)
 Nolan H. Miller, Assistant Professor of Public Policy (*Kennedy School*)
 Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Medical School, Public Health*)
 Ralph B. Potter, Professor of Social Ethics (*Divinity School*)
 Matthew Rabin, Frank W. Taussig Research Professor of Economics
 Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
 Mark R. Rosenzweig, Professor of Public Policy (*Kennedy School*)
 Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)
 Richard Tuck, Frank G. Thomson Professor of Government
 Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)
 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: Economic History; Development Economics

1400-1499 and 2400-2499: Monetary and Fiscal Theory and Policy; Public Sector Economics

1500-1599 and 2500-2599: International Economics



1600-1699 and 2600-2699: Industrial Organization and Regulation; Environmental Economics

1700-1799 and 2700-2799: Financial Economics

1800-1899 and 2800-2899: Labor, Human Resources, and Income Distribution; Urban Economics

2000-2999: Open to honors undergraduates with the permission of the instructor

3000-3999: Graduate Courses of Reading and Research

Social Analysis 10: Principles of Economics, which is listed under the Core Curriculum, is the full-year introductory course in Economics. Social Analysis 10 is designed both for potential concentrators and for those who intend no further work in the field. The Department of Economics strongly encourages students considering concentration to take this course in their freshman year. This is a required course for all economics concentrators and a prerequisite for higher level courses in economics.

Tutorials and Senior Research Seminars in Economics

Primarily for Undergraduates

***Economics 910r. Supervised Reading and Research**

Catalog Number: 1020

Benjamin M. Friedman 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.

Benjamin M. Friedman, Samuel B. Thompson 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 980 (formerly *Economics 980r). Tutorial — Junior Year**

Catalog Number: 3281

Benjamin M. Friedman and members of the Department



Half course (fall term). Tu., W., 7–8:30 p.m. EXAM GROUP: 9, 18

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 term. 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

Adriana Lleras-Muney (Princeton University)

Full course. Fall: W., 5:45–7:45 p.m.; Spring: W., 5:30–8 p.m. EXAM GROUP: 9

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

Julie H. Mortimer

Full course. W., 4:30–6:30. EXAM GROUP: 9

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.

[*Economics 985c. Research in Labor Economics]

Catalog Number: 5409

Full course. Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

***Economics 985d. Research in Economic Development**

Catalog Number: 4989

Michael Robert Kremer

Full course. Fall: W., 2:15–4:15; Spring: Th., 4–6. EXAM GROUP: Fall: 7, 8, 9; Spring: 18

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

Full course. Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

***Economics 985f. Research in International Trade and Finance**

Catalog Number: 7157

Richard N. Cooper

Full course. Fall: M., 3:30–5:30; Spring: M., 3–5. 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

Stefan Nagel

Full course. Th., 4–6. EXAM GROUP: 18

Workshop for seniors writing theses in finance. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honor thesis are required. Topics include asset pricing and corporate finance.

***Economics 985k. Research in Public Economics**

Catalog Number: 0871

Jack R. Porter

Full course. Tu., 2:30–4:30. EXAM GROUP: 16, 17, 18

Research seminar for seniors writing theses in public economics. 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

Benjamin M. Friedman and members of the Department

Full course. Hours to be arranged.

Note: Students who are writing a senior thesis out of sequence (i.e., beginning in the spring)



must enroll in Economics 990 in the spring and complete the course in the fall. Students must write a 25-page paper at the end of the first term of Economics 990. Students currently enrolled in Economics 985 may not enroll in Economics 990.

General Economics; Economic Theory; History of Economics

For Undergraduates and Graduates

Economics 1010a. Microeconomic Theory

Catalog Number: 1862

Marc J. Melitz

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

EXAM GROUP: 12, 13

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

Prerequisite: Social Analysis 10 and Mathematics 1a or their equivalents.

Economics 1010b. Macroeconomic Theory

Catalog Number: 2924

Susanto Basu (University of Michigan)

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

EXAM GROUP: 12, 13

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

Prerequisite: Social Analysis 10. While no specific mathematics course is required, knowledge of calculus at the level of Mathematics 1a is assumed.

Economics 1011a. Microeconomic Theory

Catalog Number: 7230

Edward L. Glaeser

Half course (fall term). Tu., Th., 11:30–1; and a one-hour weekly section to be arranged. EXAM

GROUP: 13, 14

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

Prerequisite: Social Analysis 10 and Mathematics 20 or 21a, or permission of the instructor.

Economics 1011b. Macroeconomic Theory

Catalog Number: 6993

Francesco Caselli and Philippe Aghion

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

EXAM GROUP: 12, 13

The same topics as in 1010b, but with a more mathematical approach.

Note: Economics 1011b fulfills the intermediate macroeconomic theory requirement for economics concentrators. Students may take either Economics 1010b or Economics 1011b for credit. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Prerequisite: Social Analysis 10. While no specific mathematics course is required, Mathematics 20 or 21 is recommended.

Economics 1025. Theory of Capital and Income

Catalog Number: 0121

Martin L. Weitzman

Half course (fall term). M., W., 1-2:30 and a section on Friday 1-2:30. EXAM GROUP: 6, 7

Mathematically advanced. Applies the maximum principle of optimal control theory to analyze a wide variety of dynamic economic models. Emphasizes basic principles and fundamental unity of all problems involving capital, investment, and time—including harvesting of renewable resources, extraction of non-renewable resources, analysis of dynamic environmental externalities, optimal growth, equilibrium of competitive stock markets, and the economic theory of the connection between income, accounting, sustainability, and share valuation.

Prerequisite: Economics 1011a and Mathematics 20.

Economics 1030. Psychology and Economics

Catalog Number: 4709

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 social preferences, impulsivity, bounded rationality, loss-aversion, over-confidence, self-serving biases, hedonics. Discusses how psychological experiments have been used to learn about preferences, cognition, behavior. Economic topics include arbitrage, equilibrium, rational choice, utility maximization, Bayesian beliefs, game theory. Integrates these psychological and economic concepts to understand behavioral phenomena such as credit card borrowing, portfolio choice, retirement saving, procrastination, addiction, asset pricing, auction bidding, labor supply,



cooperation.

Prerequisite: Economics 1010a or 1011a, and knowledge of multivariate calculus.

Economics 1052. Introduction to Game Theory

Catalog Number: 2634

Markus M. Möbius

Half course (spring term). Tu., Th., 10–11:30; W., at 4; W., at 5, 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.

Primarily for Graduates

***Economics 2010a. Economic Theory**

Catalog Number: 8656

Edward L. Glaeser and Jerry R. Green

Half course (fall term). Tu., Th., 10–11:30, and a 1.5-hour weekly section to be arranged. EXAM GROUP: 12, 13

Covers the theory of individual and group behavior. Topics include consumer theory, producer theory, behavior under uncertainty, externalities, monopolistic distortions, game theory, oligopolistic behavior, and asymmetric information.

Note: Enrollment is limited to students in the economics and business economics PhD programs.

Prerequisite: Mathematics 116 or equivalent; can be taken concurrently.

Economics 2010b. Economic Theory

Catalog Number: 8659

Laurent E. Calvet and Jerry R. Green

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

Alberto F. Alesina, Benjamin M. Friedman, and Kenneth Rogoff

Half course (fall term). M., W., (F.), 12–1:30; Th., 4–5:30, and a 1.5 hour weekly section to be arranged. EXAM GROUP: 5, 6

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 PhD program, doctoral candidates in a few other designated programs, and well-qualified undergraduates.

Prerequisite: Mathematics 116 or the equivalent; can be taken concurrently.



Economics 2010d. Economic Theory

Catalog Number: 4431

Robert J. Barro and David I. Laibson

Half course (spring term). Tu., Th., 1–2:30, and a 1.5-hour weekly section to be arranged.

EXAM GROUP: 15, 16

Topics include economic growth, fiscal policy, inflation, theory of economic policy, and macroeconomic theory of the open economy.

Prerequisite: Economics 2010c.

***Economics 2020a. Microeconomic Theory I**

Catalog Number: 0339 Enrollment: Limited to 102.

Christopher N. Avery (Kennedy School) and Nolan H. Miller (Kennedy School)

Half course (fall term). M., W., 8:40–10, and a one-hour weekly section to be arranged. EXAM GROUP: 1, 2

A comprehensive course in economic theory designed for doctoral students in all parts of the university. Consumption, production, uncertainty, markets, general equilibrium. Applications to policy analysis and business decisions. Emphasizes the use of economic theory in practical research.

Note: Offered jointly with the Kennedy School as API-111 and the Business School as 4010.

Prerequisite: Two years of calculus and one course in probability theory. Thorough background in microeconomic theory at the intermediate level. Undergraduates with the appropriate background are welcome.

***Economics 2020b. Microeconomic Theory II**

Catalog Number: 4058

Christopher N. Avery (Kennedy School) and Nolan H. Miller (Kennedy School)

Half course (spring term). M., W., 8:30–10, and a one-hour weekly section to be arranged.

EXAM GROUP: 1, 2

A continuation of Economics 2020a. Topics include game theory, economics of information, incentive theory, and welfare economics.

Note: Offered jointly with the Kennedy School as API-112 and the Business School as 4011.

Prerequisite: Economics 2010a or 2020a.

[Economics 2035 (formerly Economics 2410h). Dynamic Programming]

Catalog Number: 1851

David I. Laibson

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

Covers dynamic programming, including both discrete and continuous-time methods. Considers applications to search, investment, option valuation, consumption, and finance. Discusses computational methods for generating numerical solutions.

Note: Expected to be given in 2004–05.

Economics 2040. Experimental Economics

Catalog Number: 8485 Enrollment: Limited to 48.

Alvin E. Roth (FAS, Business School)

Half course (fall term). F., 9–12. EXAM GROUP: 2, 3



An introduction to experimental economics, and some of the major subject areas that have been addressed by laboratory experiments. We concentrate on *series* of experiments, to see how experiments build on one another.

Note: Offered jointly with the Business School as 4160.

Economics 2045. Psychology and Economic Theory

Catalog Number: 3890

Matthew Rabin

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

Explores how psychological research demonstrating departures from perfect rationality, self-interest, and other classical economic assumptions can be mathematically modeled to facilitate incorporation of psychological insights into mainstream economic analysis.

Note: Strictly for those with a background and interest in graduate-level economics.

Economics 2050. General Equilibrium Theory

Catalog Number: 2279

Laurent E. Calvet

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

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.

Economics 2052. Game Theory

Catalog Number: 3690

Attila Ambrus

Half course (spring term). M., 4–7 p.m. EXAM GROUP: 9

Topics vary slightly from year to year, but typically include the equilibria of various classes of games, the definition and application of “common knowledge,” and non-equilibrium processes of strategy adjustment.

Prerequisite: Economics 2010a or permission of the instructor.

Economics 2056. Market Design

Catalog Number: 3634

Alvin E. Roth (FAS, Business School) and Estelle Cantillon (Business School)

Half course (spring term). F., 9–12. EXAM GROUP: 2, 3

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 4150.

Economics 2058. Networks and Social Capital

Catalog Number: 2872

Markus M. Möbius

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

Provides a rigorous theoretical introduction into network models. Discusses the emerging empirical literature on economic and social networks. Topics include the role of networks in technological progress, buyer-supplier networks, and social capital.



Economics 2060. Contract Theory

Catalog Number: 1404

Philippe Aghion

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

Recent developments in contract theory. Includes hidden action and hidden information models, dynamic agency issues, incomplete contracts, and applications of contract theory to theories of the firm and corporate financial structure.

***Economics 2075. Political Economy Research Seminar**

Catalog Number: 7645

Stephen A. Marglin

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

Economics 2080. Economics and Politics: The Foundations of Economics in Political Theory

Catalog Number: 6576

Benjamin M. Friedman and Richard Tuck

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

Offers graduate students in relevant disciplines the chance to study the historical origins of central ideas in modern economics and to discuss their philosophical character.

Prerequisite: A basic knowledge of economics is assumed.

Economics 2086. The Theory Workshop

Catalog Number: 6378

Jerry R. Green and members of the Department

Half course (fall term; repeated spring term). Th., 4–6. EXAM GROUP: 18

Econometrics and Quantitative Methods

For Undergraduates and Graduates

Economics 1123. Introduction to Econometrics

Catalog Number: 0813

James H. Stock (fall term) and Samuel B. Thompson (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 11:30–1; Spring: Tu., Th., 1–2:30; and a one-hour weekly section to be arranged. EXAM GROUP: Fall: 13, 14; Spring: 15, 16

An introduction to multiple regression techniques with focus on economic applications.

Discusses extensions to discrete response, panel data, and time series models, as well as issues such as omitted variables, missing data, sample selection, randomized and quasi-experiments, and instrumental variables. Aims to provide students with an understanding of and ability to apply econometric and statistical methods using computer packages.

Note: Students may take either Economics 1123 or Statistics 139 for credit. Statistics 139 will not count as econometrics requirement. Also, Economics 1123 may not be taken for credit if taken after Economics 1126, but credit will be given for both courses if Economics 1123 is taken first.

Prerequisite: Statistics 100.



Economics 1126. Quantitative Methods in Economics

Catalog Number: 4076

Gary Chamberlain

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

EXAM GROUP: 13, 14

Topics include elements of statistical decision theory and related experimental evidence; some game theory and related experimental evidence; maximum likelihood; logit, normal, probit, and ordered probit regression models; panel data models with random effects; omitted variable bias and random assignment; incidental parameters and conditional likelihood; demand and supply.

Note: Economics 1123 may not be taken for credit if taken after Economics 1126, but credit will be given for both courses if Economics 1123 is taken first.

Prerequisite: Statistics 100 or preferably 110; Mathematics 20.

Cross-listed Courses

Statistics 100. Introduction to Quantitative Methods

Primarily for Graduates

Economics 2110. Introductory Probability and Statistics for Economists

Catalog Number: 7213

Marcelo J. Moreira

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 (fall term) and Jack R. Porter (spring term)

Half course (fall term; repeated spring term). Tu., Th., 2:30–4; W., 10–11:30. EXAM GROUP:

Fall: 16, 17; Spring: 10, 11

Introduction to methods employed in applied econometrics, including linear regression, instrumental variables, panel data techniques, generalized method of moments, and maximum likelihood. Includes detailed discussion of papers in applied econometrics and computer exercises using standard econometric packages.

Prerequisite: Economics 2110 or equivalent.

Economics 2130 (formerly 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, discrete and limited dependent variables, models of selection, and stationary and non-stationary time series. Includes



detailed discussion of empirical applications.

Note: Students complete a short research project in applied econometrics.

Prerequisite: Economics 2120 or equivalent.

Economics 2140. Econometric Methods

Catalog Number: 7210

Gary Chamberlain

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

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 2141. Analysis of Cross Section and Panel Data

Catalog Number: 9305

Marcelo J. Moreira

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

Topics include censoring, sample selection, attrition, stratified sampling, estimation of average treatment effects, and duration analysis.

Economics 2142. Time Series Analysis

Catalog Number: 4414

James H. Stock

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

A survey of modern time series econometrics. Topics include univariate models, vector autoregressions, linear and nonlinear filtering, frequency domain methods, unit roots, structural breaks, empirical process theory asymptotics, forecasting, and applications to macroeconomics and finance.

Economics 2144. Advanced Applied Econometrics

Catalog Number: 7686

Ariel Pakes and Jack R. Porter

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

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.

Economics 2146. Topics in Financial Econometrics

Catalog Number: 8715

Samuel B. Thompson

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

A discussion of modern topics in financial econometrics. Topics include testing for return predictability, inference in consumption-based asset pricing models, and estimation of continuous time models. Includes discussion of empirical applications.

Prerequisite: Economics 2120 or equivalent.



Economics 2162. The Econometrics Workshop

Catalog Number: 2372

Gary Chamberlain and members of the Department

Full course. Th., 4:30–6. EXAM GROUP: 18

Current research topics in theory and applications of econometrics.

Economic History; Development Economics

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 explanations for the high economic growth rates in the region; the transition from economies based on central planning to economies relying on market forces; industrial policies and the origins of the Asian financial crisis; the role of natural resources; differing approaches to income distribution and social welfare; and other related issues of importance to the region.

Prerequisite: Social Analysis 10.

Economics 1320. The Latin American Economy

Catalog Number: 2454

Beatriz Armendariz and Domingo F. Cavallo

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

Economic analysis of historical episodes that have shaped recent development strategies in the region. Focuses on the determinants of growth and income inequality, volatile financial markets, and rapid urbanization. Analyzes country-specific experiences to evaluate stabilization, trade, regulation, poverty alleviation, and environmental policies.

Prerequisite: Economics 1010a or 1011a. Prior knowledge of economic development and international finance would be an advantage.

Economics 1325. Latin America and the Washington Consensus

Catalog Number: 5247

Domingo F. Cavallo and Roberto Mangabeira Unger (Law School)

Half course (spring term). W., 4–6, and a one-hour weekly section to be arranged. EXAM GROUP: 9

The “Washington Consensus” is a term that has been used to describe a reform program, sometimes also called “neoliberal,” embraced in recent years by the governments of many developing countries. How important was the “Washington Consensus” in influencing economic reforms in Latin America during the 90’s? Were there alternatives to what was done? What was responsible for economic crisis and increasing poverty: the reforms, or the lack of enough such reforms?



Note: Offered jointly with the Kennedy School as PED-133 and the Law School as 41140-31.

Prerequisite: Social Analysis 10.

Economics 1330. One Way or Many

Catalog Number: 7955

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

Half course (spring term). M., 2:20–4:20; Tu., at 4; Tu., at 5; Th., at 4; Th., at 5; Th., at 6, and a one-hour weekly section to be arranged. EXAM GROUP: 7, 8, 9

Is the world gradually converging toward the same set of economic practices and institutions, following the lead of the North Atlantic industrial democracies? Or can democratic market economies take institutional forms radically different from those now established in the US and Western Europe? International financial instability has lent new urgency to the controversy over alternatives. The course considers these themes by exploring their variations in major post-communist or developing societies, as well as in North Atlantic countries.

Note: Offered jointly with the Kennedy School as PED-259 and the Law School as 44160-31.

Meets at the Law School.

Prerequisite: Social Analysis 10.

[Economics 1340. Globalization and History]

Catalog Number: 4025

Jeffrey G. Williamson

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

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: Expected to be given in 2004–05. Concentrators may not take 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 60.

Claudia Goldin

Half course (spring term). Tu., Th., 11:30–1; Tu., at 10; W., at 10, and a one-hour weekly section to be arranged. EXAM GROUP: 13, 14

Concerns America's economic ascendancy ever since c.1790. Addresses whether the US lost economic leadership post-WWII or others converged on it. Explores how the US achieved economic supremacy, including natural resources, legal institutions, labor, education, and invention. Confronts domestic issues accompanying economic growth such as inequality, regional divisions, slavery, big business, and economic vicissitudes such as the Great Depression, and evaluates solutions such as big government. Readings include novels.

Note: Concentrators may not take pass/fail. A research paper is required.

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). Hours to be arranged.

Explores selected topics in the relationship between economic development and the political and social institutions that influence development. Focuses on the appropriate role for the state in the management of the economy. 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: Expected to be given in 2004–05. A major research paper is required as well as a final exam.

Prerequisite: Social Analysis 10 or permission of the instructor.

Economics 1385. Introduction to Global Health and Population

Catalog Number: 6193

David Bloom (Public Health)

Half course (spring term). Tu., Th., 2:30–4; Th., at 1; Th., at 4; F., at 11, and a one-hour weekly section to be arranged. EXAM GROUP: 16, 17

Studies global health and population data in historical and comparative perspective. Discusses alternative frameworks and perspectives for understanding determinants and consequences of global disparities in health and population, and the place of health and population in the realm of international development. Covers approaches to the design, implementation, and evaluation of policies and programs to address health and population problems, including medical interventions, non-medical health interventions, and non-health interventions.

Note: A research paper is required.

Economics 1391. Economic Growth and Development

Catalog Number: 1340

Xavier Sala-i-Martin (Columbia University)

Half course (fall term). M., W., 2:30–4, and an hour weekly section to be arranged. EXAM GROUP: 7, 8

Studies the relationship between economic growth, poverty, and income distribution. Discusses how globalization affects poverty and inequality. Studies the main theories of economic growth and the main potential sources of economic development, from physical capital accumulation, to education, to technology, to the role of government. Discusses various global issues such as public global health (e.g., the impact of malaria and AIDS on Africa), corruption and institutions, natural resources, the environment, international donor institutions, and population growth.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b).

Economics 1392. Economic Development

Catalog Number: 4355

Beatriz Armendariz

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

Applies economic analysis to address key questions affecting developing economies. What is the meaning of economic development? What causes poverty and famines? Is population growth detrimental to economic development? What are the causes and consequences of rural-urban



migration? Can microfinance help for enhancing investment, promoting savings, and closing the gender gap? What is the role of social norms and politics? How can corruption activities be controlled? What is the role of foreign aid agencies?

Prerequisite: Economics 1010a or 1011a.

Primarily for Graduates

[Economics 2325. World Development]

Catalog Number: 8510

Jeffrey G. Williamson

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

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: Expected to be given in 2004–05. Satisfies the graduate distribution requirement.

Economics 2327. Economic Development: Theory, Policy, and Evidence

Catalog Number: 8092

Dani Rodrik (Kennedy School) and Mark R. Rosenzweig (Kennedy School)

Half course (fall term). M., W., 11:30–1. EXAM GROUP: 4, 5

Provides a graduate-level overview of the theory of and evidence on economic development from a policy-oriented perspective. Aim is to allow students to analyze policy debates surrounding development from a broad and rigorous analytical base.

Note: Offered jointly with the Kennedy School as PED-101i.

[Economics 2330. The Development of the American Economy]

Catalog Number: 0123

Claudia Goldin

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

Covers topics in American economic history with an emphasis on the causes and consequences of economic growth from c. 1790. Explores the historical roots of current economic issues, such as productivity, technological change, inequality, female labor force, race, immigration, education, big government, and macroeconomic fluctuations.

Note: Expected to be given in 2004–05. Satisfies the graduate distribution requirement.

Economics 2333. Historical Perspectives on Current Economic Issues

Catalog Number: 6800

Claudia Goldin and Robert Margo (Vanderbilt University)

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Comparative economic history emphasizing the sources of economic growth. Subjects include labor systems, population change, migration, technology, industrialization, market integration, education, government, inequality, and the Great Depression. Each topic is motivated by a current concern.

Note: Satisfies the graduate distribution requirement.



***Economics 2339. The Economic History Workshop**

Catalog Number: 8183

Claudia Goldin and Robert Margo (Vanderbilt University) (fall term only)

Full course. F., 2–4. EXAM GROUP: 7, 8

Intended for students writing dissertations related to economic history themes and/or methodology and for others with interests in economic history. Discusses research papers presented by scholars at Harvard and elsewhere.

Economics 2350. Workshop in Religion, Political Economy, and Society

Catalog Number: 0815

Robert J. Barro and members of the Department

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

Topics on the interplay between religion and the social sciences.

Economics 2390b. Development Economics I: Microeconomic Issues

Catalog Number: 2990

Michael Robert Kremer

Half course (fall term). M., W., 8:30–10. EXAM GROUP: 1, 2

Topics include agricultural issues such as peasant behavior, land tenancy, interlinked markets; credit and insurance market problems and institutions; health, nutrition, and productivity; gender bias; education; and technology adoption.

Economics 2390c. Development Economics II: Macroeconomic Issues

Catalog Number: 0388

Michael Robert Kremer

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

Michael R. Kremer and members of the Department

Full course. Fall: Tu., 2:30–4; Spring: W., 2:30–4. EXAM GROUP: Fall: 16, 17; Spring: 7, 8

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, and Caroline M. Hoxby

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

An economic analysis of 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 1430. Macroeconomics and Politics

Catalog Number: 5549

Robert J. Barro

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

EXAM GROUP: 4

Topics include the political economy of economic growth, including the roles of democracy and legal institutions; inflation, monetary policy, and fiscal policy; interplay between religion and political economy; and analyses of economic and monetary unions.

Prerequisite: Economics 1010b or 1011b, or permission of the instructor.

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). Hours to be arranged.

An analysis of 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: Expected to be given in 2004–05.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b), and Mathematics 20.

Cross-listed Courses

Quantitative Reasoning 24. Health Economics

Primarily for Graduates

Economics 2410e. Economic Growth

Catalog Number: 0681

Philippe Aghion and Francesco Caselli

Half course (spring term). W., 6–9 p.m. EXAM GROUP: 9

Covers a variety of advanced topics in economic growth and development, including the roles of factor accumulation, differences in productivity, technology adoption and technology diffusion, institutions and politics, culture and social capital.

Economics 2410k. Business Cycle Theory and Empirics

Catalog Number: 9853

Susanto Basu (University of Michigan)

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

Studies general-equilibrium business-cycle models, focusing on the role of imperfect competition and nominal rigidity in explaining fluctuations. Emphasizes model development, but also examines empirical evidence bearing on key assumptions and predictions.

Economics 2420. Monetary and Fiscal Policy Seminar

Catalog Number: 5946

Benjamin M. Friedman and members of the Department

Full course. M., 2–4. EXAM GROUP: 7, 8

Economics 2435. Growth and Institutions Workshop

Catalog Number: 0382

Philippe Aghion, Robert J. Barro, and Francesco Caselli

Half course (spring term). Th., 6–7:30 p.m. EXAM GROUP: 18

Considers the effects of organizations and institutions on macroeconomic performance, with a particular focus on the interplay between institutional change and technical change.

Economics 2450a. Public Economics and Fiscal Policy I

Catalog Number: 1339

Caroline M. Hoxby and David M. Cutler

Half course (fall term). M., W., (F.), 11:30–1. EXAM GROUP: 4, 5

Surveys theoretical and empirical analyses of taxation and government expenditures. Topics include tax incidence, optimal tax theory, public goods and externalities, and empirical analysis of responses to taxation.



Economics 2450b. Public Economics and Fiscal Policy II

Catalog Number: 6478

David M. Cutler and Martin Feldstein

Half course (spring term). M., W., (F.), 11:30–1. EXAM GROUP: 4, 5

Surveys theoretical and empirical analyses of taxation and government expenditures. Special topics include taxes and corporate finance, social insurance and fiscal policy, including social security and health care.

Economics 2460. Health Economics Workshop

Catalog Number: 7617

David M. Cutler, William C. Hsiao (Public Health), and Joseph P. Newhouse (Kennedy School, Medical School, 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.

Note: May be taken for credit only by dissertation students writing a research paper. Offered jointly with the Kennedy School as HCP-581.

Economics 2480. The Public Economics and Fiscal Policy Workshop

Catalog Number: 6834

David M. Cutler, Martin Feldstein, and Caroline M. Hoxby

Full course. M., 4–6. EXAM GROUP: 9

Focuses on current issues in the theory and practice of public finance, including both tax and expenditure policies.

***Economics 2490. The Economics of National Security Seminar**

Catalog Number: 9061

Martin Feldstein

Half course (spring term). Tu., 6:30–9 p.m. EXAM GROUP: 18

Considers a range of issues relating to national security, including bioterrorism, the market for nuclear weapons, the defense industry, the dependence on imported oil, intelligence, sanctions, etc.

Note: Speakers will be both experts with experience in this field and economists doing research on these issues. Seminar participants will be economics department faculty and selected graduate students.

International Economics

For Undergraduates and Graduates

Economics 1530. International Monetary Economics

Catalog Number: 2269

Richard N. Cooper

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

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

Elhanan Helpman

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

Provides a discussion of international trade policies. Begins by reviewing the theory of trade and trade policy in both competitive and non-competitive environments, and proceeds to political economy of trade policy formation. The course requires knowledge of calculus and the ability to deal with analytical methods.

Note: Expected to be given in 2004–05.

Prerequisite: Economics 1010a or 1011a, or permission of instructor.

Economics 1545. International Financial and Macroeconomic Policy

Catalog Number: 5166 Enrollment: Limited to 30.

Kenneth Rogoff

Half course (spring term). M., W., 2:30–4; W., at 5, and a one-hour weekly section to be arranged. EXAM GROUP: 7, 8

Advanced theoretical and empirical analysis of contemporary international macroeconomic policy issues in both industrialized and developing economies. Topics include exchange rates, international capital flows, debt crises, growth, and policy coordination.

Prerequisite: Economics 1010b or 1011b.

Economics 1550. Economics of International Financial Policy

Catalog Number: 5112

Jeffrey A. Frankel (Kennedy School)

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

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 with the Kennedy School as ITF-220. The final exam will be scheduled by



the Kennedy School Registrar during the week of December 15-19.

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., 2–3:30. EXAM GROUP: 7, 8

Provides a broad overview of theory and evidence concerning international trade, direct foreign investment, and trade policy.

Note: Strongly recommended as preparation for Economics 2530b.

Economics 2530b. International Finance

Catalog Number: 7144

Kenneth Rogoff

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

Financial aspects of growth and income determination in open economies. Topics include international business cycle, monetary and exchange rate regimes, capital flows, and current issues in international macroeconomic policy.

Prerequisite: Economics 2530a provides extremely useful background.

Economics 2535. Advanced Topics in International Trade

Catalog Number: 6410

Pol Antràs

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 2537. International Trade Policy: Issues and Analysis]

Catalog Number: 1699

Dani Rodrik (Kennedy School)

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

Develops expertise with economic models used for the analysis of international trade policies.

Focuses on theoretical and empirical work relating to trade patterns, income distribution, growth, development, industrial policy, political economy, and the WTO.

Note: Expected to be given in 2004–05. Students are expected to make presentations and write a research paper. Offered jointly with the Kennedy School as ITF-345.

Prerequisite: Graduate level microeconomics and econometrics.

Economics 2540. The International Economics Workshop

Catalog Number: 4008

Elhanan Helpman (fall term), Kenneth Rogoff (spring term), and members of the Department

Full course. W., 4–6. EXAM GROUP: 9



Research papers in all aspects of international economics, including theory, econometrics, and policy.

Industrial Organization and Regulation; Environmental Economics

For Undergraduates and Graduates

Economics 1640. Industrial Organization: Theory and Applications

Catalog Number: 7875 Enrollment: Limited to 30.

Ali Hortacsu (University of Chicago) (fall term) and Julie H. Mortimer (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 1–2:30; Spring: Tu., Th., 2:30–4, and a one-hour weekly section to be arranged. EXAM GROUP: Fall: 15, 16; Spring: 16, 17

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). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Provides a survey, from the perspective of economics, of environmental and natural resource policy. Combines lectures on conceptual and methodological topics with examinations of public policy issues. Topics include principles of environmental and resource economics, nonrenewable resources (minerals and energy), renewable resources (water, forests, land, fisheries), air pollution (stationary and mobile sources, acid rain, and global climate change), water pollution (point and nonpoint sources), waste management, and sustainable development and political aspects of environmental policy.

Note: Offered jointly with the Kennedy School as ENR-201.

Prerequisite: Social Analysis 10 or permission of instructor.

Primarily for Graduates

Economics 2610. Industrial Organization I

Catalog Number: 3766

Ariel Pakes

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

Applied work in industrial organization. Static analysis (theory, estimation): demand systems, cost functions, and game theoretic concepts of equilibrium and their application. Dynamic analysis (theory, computation, estimation): single agent problems, dynamic games and their application.



Economics 2611. Industrial Organization II

Catalog Number: 2302

Julie H. Mortimer

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

Application of industrial organization to problems of public policy. Applied analysis of antitrust policy, network industries, vertical relationships, auctions, and other topics depending on interest.

Note: Students are urged to take Economics 2610 before Economics 2611.

***Economics 2640hf. The Industrial Organization Workshop**

Catalog Number: 5981

Ariel Pakes and members of the Department

Half course (throughout the year). M., 2:30–4. EXAM GROUP: 7, 8

Economics 2665. The Economics of Organizations Workshop

Catalog Number: 9819

Philippe Aghion and George P. Baker (Business School)

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

Note: Offered jointly with the Business School as 4230.

Economics 2680. Environmental and Natural Resource Economics

Catalog Number: 6529

Martin L. Weitzman

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

Basic theory and models, including externalities, common property, instruments for controlling pollution. Applications of optimal control theory to renewable and non-renewable resources. Analysis of cost-benefit, discounting, uncertainty, environmental accounting, “sustainability,” and biodiversity preservation.

Prerequisite: Graduate price theory at level of 2010 or 2020.

***Economics 2690hf. Environmental Economics and Policy Seminar**

Catalog Number: 4324

Robert N. Stavins (Kennedy School) and Martin L. Weitzman

Half course (throughout the year). W., 4–5:30. EXAM GROUP: 9

Selected topics in environmental and resource economics. Emphasizes theoretical models, quantitative empirical analysis, and public policy applications. Includes invited outside speakers.

Note: Primarily for graduate students in economics or related fields with environmental interests.

Offered jointly with the Kennedy School as ENR-551y.

Prerequisite: Graduate-level course in microeconomic theory.

Financial Economics

For Undergraduates and Graduates

Economics 1723. Capital Markets

Catalog Number: 1917



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 1733. Topics in Investment Management

Catalog Number: 6748

Tuomo O. Vuolteenaho

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

Presents theory and empirical evidence on selected questions in financial economics, with an emphasis on recent empirical research on investment strategies. Focuses on the application of these ideas to investment management. Topics include behavioral finance and market efficiency, patterns in asset prices, and portfolio construction.

Prerequisite: Economics 1723; or Economics 1745; or both Social Analysis 10 and permission of the instructor.

Economics 1745. Corporate Finance

Catalog Number: 5889

Randall Morck (University of Alberta)

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

Introduction to corporate finance, including capital budgeting, capital structure of firms, dividend policy, incentives of insiders, and takeovers.

Prerequisite: Economics 1010a or 1011a.

[Economics 1760. Topics in Financial Economics]

Catalog Number: 4594

Jeremy C. Stein

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

Theory and empirical evidence on selected questions in financial economics, with an emphasis on current research. Topics include behavioral finance and market efficiency, capital allocation by financial markets and inside firms, and banking and monetary policy.

Note: Expected to be given in 2004–05.

Prerequisite: Economics 1723.

Primarily For Graduates

Economics 2723. Asset Pricing I

Catalog Number: 2847

John Y. Campbell

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

An introduction to financial economics emphasizing discrete-time models and empirical



applications. Reviews basic asset pricing theory. Discusses empirical topics including predictability of stock and bond returns, the equity premium puzzle, and intertemporal equilibrium models.

Prerequisite: Economics 2010a or 2020a, or permission of instructor.

Economics 2725. Corporate Finance

Catalog Number: 1427

Malcolm Perkins Baker (Business School) and Andrei Shleifer

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

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 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.

Prerequisite: Economics 2723.

Economics 2730. 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 develops continuous-time asset pricing models, and their estimation. Second part discusses empirical research on cross-sectional patterns in stock returns.

Note: Offered jointly with the Business School as 4210.

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). Hours to be arranged.

Considers how financial markets and government policy can be used to share risks efficiently across economic agents. Topics include long-term portfolio choice theory, international and intergenerational risksharing, and public debt management.

Note: Expected to be given in 2004–05.

Prerequisite: Economics 2010c and 2010d.

***Economics 2770hf. The Financial Economics Workshop**

Catalog Number: 1379



John Y. Campbell and members of the Department
Half course (throughout the year). M., 4–5:30. EXAM GROUP: 9

Labor, Human Resources, and Income Distribution; Urban Economics

For Undergraduates and Graduates

Economics 1812. The US Labor Market

Catalog Number: 0421

James L. Medoff

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

Presents the tools employed in research on the operation of the labor market and then uses them to discuss issues such as the determinants of earnings differentials, the impact of various firm characteristics on labor-market outcomes, discrimination, and unemployment.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).

Economics 1813. The Indebted Society

Catalog Number: 6957

James L. Medoff

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

First charts trends in personal, corporate, and government indebtedness in the US, then discusses the impact of each change on societal well-being. Finally, asks about public policy concerning the various forms of US 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 (spring term). M., W., 2:30–4, and a one-hour weekly section to be arranged. EXAM GROUP: 7, 8

Examines selected social and economic problems of the US and evaluates market and governmental solutions. Topics include discrimination, income and wage inequality, welfare reform, antipoverty strategy (including education and training programs), homelessness, crime, and charitable behavior.

Note: 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: A research paper is required. Students should have some mathematical background, but there is no prerequisite.

Economics 1822. Economics of Education

Catalog Number: 1004 Enrollment: Limited to 40.

Caroline M. Hoxby

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

Explores why people attain different levels of education, what makes schools efficient, how schools should be financed, what explains rising college tuition, whether education propels macroeconomic growth. Uses labor economics (human capital investment, the market for teachers), public economics (financing K-12 education, public colleges), industrial organization (vouchers, charter schools, market for college education), macroeconomics (growth theory).

Note: A research paper is required, which makes this a good course for students considering honors theses.

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). Hours to be arranged.

Urban economics topics include the economics of agglomeration, local public finance, real estate. Social economics topics include ghettos and discrimination, crime and violence, the positive theory of law enforcement, religion, the economics of the family.

Note: Expected to be given in 2004–05.

Prerequisite: PhD-level courses in economic theory and econometrics or permission of instructor.

Economics 2810a. Labor Market Analysis

Catalog Number: 4862

Caroline M. Hoxby and Lawrence F. Katz

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Theoretical and empirical research on labor markets. Wage determination covers equalizing differences, human capital, job mobility, and incentive models. Labor supply covers life-cycle models. Labor demand includes minimum wage and union models.

Economics 2810b. Labor Economics and Labor Market Institutions

Catalog Number: 3206

Lawrence F. Katz and Richard B. Freeman

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

Examines the operation of the labor market and evaluation of labor market policies. Topics:



labor econometrics, theories of wage determination, changes in the wage structure, unemployment, labor market institutions, social mobility, and social interactions.

Economics 2812. The Labor Economics Workshop

Catalog Number: 0230

Lawrence F. Katz, Richard B. Freeman, and Caroline M. Hoxby

Full course. W., 4–5:30. EXAM GROUP: Fall: 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). Th., 4–6. EXAM GROUP: 18

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 PhD degree in Economics. Ordinarily, this course is taken during the spring term of the second year of graduate study.

***Economics 3005. Reading and Research**

Catalog Number: 3493

Members of the Department

Individual work or work in small groups (with a professor or lecturer in residence) in preparation for the general examination for the PhD degree, or work on special topics not included in course offerings.

***Economics 3010. Direction of Doctoral Dissertations**

Catalog Number: 4579

Members of the Department

Note: In all cases, the 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

Attila Ambrus 4665, Jerry R. Green 1539, David I. Laibson 1241, Markus M. Möbius 3441, Matthew Rabin 4741, and Alvin E. Roth (FAS, Business School) 564 (on leave spring term)

Half course (fall term; repeated spring term). W., 11:30–1.

Serves mainly as a forum for presentations by graduate students of their current research. Work presented can be very preliminary and conjectural.

Prerequisite: Economics 2010a (or 2020a) and 2010b (or 2020b).



***Economics 3163hf. Research in Econometrics**

Catalog Number: 4392

Dale W. Jorgenson 2000 (on leave fall term), Gary Chamberlain 1745 (on leave 2004-05), Marcelo J. Moreira 4365, Jack R. Porter 2337, James H. Stock 1783, and Samuel B. Thompson 3406

Half course (throughout the year). M., 12–2.

Participants discuss recent research in econometrics and present their own work in progress.

Open to doctoral students in economics.

***Economics 3336hf. Research in Economic History**

Catalog Number: 0639

Claudia Goldin 2667 and Robert Margo (Vanderbilt University) 3126 (fall term only)

Half course (throughout the year). Hours to be arranged.

Participants discuss recent research in economic history and present their own work in progress.

Note: Primarily, but not exclusively, for doctoral students in economics who have passed their oral examinations.

***Economics 3390hf. Research in Economic Development**

Catalog Number: 2532

Michael Robert Kremer 2112, Robert J. Barro 1612, Francesco Caselli 1489 (on leave fall term), Robert T. Jensen (Kennedy School) 4548, Asim I. Khwaja (Kennedy School) 3994, Dwight H. Perkins 2300 (on leave fall term), Mark R. Rosenzweig (Kennedy School) 4595, and Xavier Sala-i-Martin (Columbia University) 4698 (fall term only)

Half course (throughout the year). Fall: W., at 1; Spring: Tu., at 1.

Participants discuss recent research in development economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

***Economics 3410dhf. Research in Macroeconomics**

Catalog Number: 2126

Alberto F. Alesina 2074, Robert J. Barro 1612, Susanto Basu (University of Michigan) 3106, Francesco Caselli 1489 (on leave fall term), 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, Edward L. Glaeser 3219, Caroline M. Hoxby 1235, and Lawrence F. Katz 1480

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

Pol Antràs 4666, Richard N. Cooper 7211 (on leave spring term), Elhanan Helpman 2334 (on leave spring term), Marc J. Melitz 3499, and Kenneth Rogoff 1746

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, Ali Hortacsu (University of Chicago) 4661 (fall term only), Markus M. Möbius 3441, and Julie H. Mortimer 3993 (on leave fall term)

Half course (throughout the year). W., 2:30–4.

Participants present their own research in progress in an informal setting. Open to doctoral students in economics who have passed their general examinations and are in the early stages of their dissertations.

***Economics 3660hf. The Law, Economics, and Organizations Workshop**

Catalog Number: 4325

Lucian Arye Bebchuk (Law School) 2042, Louis E. Kaplow (Law School) 3223, Joshua Lerner (Business School) 1601, and Andrei Shleifer 2772

Half course (throughout the year). M., 12:30–2.

The presentation of work in progress in the field of law, economics, and organizations. Presentations by members of the various Harvard faculties, outside speakers, and graduate students.

Note: Offered jointly with the Law School as 96250-11.

***Economics 3723hf. Research in Financial Economics**

Catalog Number: 4107

Laurent E. Calvet 1495 (on leave 2004-05), John Y. Campbell 1230, George Carl Chacko (Business School) 3175, Randall Morck (University of Alberta) 2742 (spring term only), Luis Manuel Viceira (Business School) 3183, and Tuomo O. Vuolteenaho 3494

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

Richard B. Freeman 4127, Claudia Goldin 2667, Caroline M. Hoxby 1235, and Lawrence F. Katz 1480



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 (*on leave fall term*)

Ron N. Alkalay, Lecturer on Engineering Sciences

Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics (*on leave spring term*)

Sean B. Andersson, Lecturer on Applied Mathematics

Michael J. Aziz, Gordon McKay Professor of Materials Science (*on leave spring term*)

Ana P. Barros, Associate Professor of Environmental Engineering on the Gordon McKay Endowment, Visiting Scholar in Environmental Engineering

Toby Berger, Visiting Professor of Electrical Engineering and Vinton Hayes Fellow (*Cornell University*)

Michael P. Brenner, Gordon McKay Professor of Applied Mathematics and Applied Physics (*on leave 2004-05*)

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science

Federico Capasso, Robert L. Wallace Professor of Applied Physics

David A. Edwards, Gordon McKay Professor of the Practice of Biomedical Engineering

Brian F. Farrell, Robert P. Burden Professor of Meteorology (*on leave spring term*)

Coral P. Fernandez-Illescas, Allston Burr Senior Tutor in Kirkland House, Lecturer on Engineering Sciences

Donhee Ham, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

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 (*on leave 2003-04*)

Robert D. Howe, Gordon McKay Professor of Engineering (*on leave spring term*)

John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics, Associate of Pforzheimer House, Associate Dean for Academic Programs in the Division of Engineering and Applied Sciences (*Co-Director of Undergraduate Studies*) (*on leave fall term*)

Daniel J. Jacob, Gordon McKay Professor of Atmospheric Chemistry and Environmental



Engineering (on leave fall term)

Aleksandar Kavcic, John L. Loeb Associate Professor of the Natural Sciences (*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

L. Mahadevan, Gordon McKay Professor of Applied Mathematics and Mechanics

Scot T. Martin, Associate Professor of Environmental Chemistry on the Gordon McKay Endowment

Ralph Mitchell, Gordon McKay Professor of Applied Biology (*on leave spring term*)

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*)

Kevin K. Parker, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment

Alan W. Rempel, Lecturer on Applied Mathematics

James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics (*on leave fall term*)

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave fall term*)

Garrett B. Stanley, Associate 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 (*on leave spring term*)

Zhigang Suo, Gordon McKay Professor of Mechanics and Materials

Vahid Tarokh, Gordon McKay Professor of Electrical Engineering

Joost J. Vlassak, Associate Professor of Materials Engineering on the Gordon McKay Endowment

Gu-Yeon Wei, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

David A. Weitz, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave 2004-05*)

Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science, Associate Dean of the Faculty of Arts and Sciences (*on leave 2004-05*)

Woodward Yang, Visiting Professor of Electrical Engineering and Computer Science

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 course programs at the undergraduate level may be obtained from the Academic Office, Pierce Hall 110. 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 110.

Primarily for Undergraduates

Engineering Sciences 6. Environmental Science and Technology

Catalog Number: 2969

Scot T. Martin and Peter P. Rogers

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

An introduction to the role of technology in environmental sciences with an emphasis on solving problems concerning human use and control of the environment. Cases from aquatic, terrestrial, and atmospheric environments are discussed. In each setting the basic scientific principles underlying engineering control are emphasized. Occasional field trips are part of the course. The course presumes basic knowledge in chemistry, physics, and mathematics at the high school level.

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

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

Catalog Number: 4499

Aleksandar Kavcic

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

A discussion of topics of central importance to the fields of electronics, communications and intelligent systems. The material concerns both the qualitative and quantitative analysis, as well as laboratory experiments and computer simulations. Examples of topics to be discussed range from relatively simple modules such as analog amplifiers and digital adders, to complex devices such as cell-phones and their supporting infrastructure.

Note: Students who have taken 100-level courses in electrical engineering will not be allowed to enroll in Engineering Sciences 50.

Engineering Sciences 51. Computer-Aided Machine Design

Catalog Number: 0322

Robert D. Howe

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

A first course in the design and construction of mechanical and electromechanical devices. Engineering graphics and sketching; dimensions and tolerances. Introduction to materials selection and structural design. Machine elements and two-dimensional mechanisms; DC motors. Design methodology. Emphasis on laboratory work and design projects using professional solid modeling CAD software and numerically controlled machine tools.

Note: Open to freshmen, sophomores, and juniors.

Prerequisite: Mathematics 1b (may be taken concurrently); high school physics.

***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 110.

***Engineering Sciences 96. Engineering Design Seminar**

Catalog Number: 8461 Enrollment: Limited to 25.

Frederick H. Abernathy and Woodward Yang

Half course (spring term). M., Th., 4–5:30. EXAM GROUP: 9, 18

Group project selected to provide experience in the processes and practice of engineering problem definition and solution as well as design and evaluation. The design seminar is ordinarily taken in the spring term of the junior year.

Note: Preference given to SB candidates.

Cross-listed Courses

***Freshman Seminar 21s. Germs**

For Undergraduates and Graduates

Additional courses of interest to students in Electrical Engineering include: Computer Sciences 141, 143, 146, and 148.

***Engineering Sciences 100. Engineering Design Projects**

Catalog Number: 4268

Robert D. Howe and Kevin K. Parker

Half course (fall term; repeated spring term). Th., 4–6. EXAM GROUP: 18

Individual design projects selected to provide experience in the processes and practice of engineering design. Requires proficiency in electronic circuit construction as well as mechanical materials fabrication techniques.

Note: Ordinarily taken in the senior year. This one term version of *Engineering Sciences 100hf is open only to students in special circumstances. Enrolled students are required to file a proposed project form with the Academic Office early in the term. Project forms are available in Pierce Hall 110. 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 and Kevin K. Parker

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 110.



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

Sean B. Andersson

Half course (spring term). M., W., 4:30–6. 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 essential.

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 119r. Cellular Engineering

Catalog Number: 8439

Kevin K. Parker

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

Summary of the physical laws governing cellular homeostasis; role of the tissue microenvironment on cell life, death, and differentiation; control of cellular function and genetic programs by adhesion to substrates; signal transduction pathways and cellular metabolic control; mechanochemical and mechanoelectrical signal transduction; cell motility; clinical and industrial applications of engineered cells.

Prerequisite: Inorganic chemistry, cell biology, physics, and mathematics at the level of Applied Mathematics 21 or Mathematics 21. Suggested courses include organic chemistry and molecular biology.

Engineering Sciences 120. Introduction to the Mechanics of Solids

Catalog Number: 1493

John W. Hutchinson



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. Stress and strain, equations of motion or equilibrium, strain-displacement relations. Stress waves. Torsion. Beam theory with applications to beam deflections, vibrations, and buckling. Four laboratory sessions required.

Prerequisite: Physics 11a or 15a, and Applied Mathematics 21a or Mathematics 21a (previously) and Applied Mathematics 21b or Mathematics 21b (previously or concurrently).

Engineering Sciences 123. Introduction to Fluid Mechanics

Catalog Number: 8323

Howard A. Stone

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

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, biomedical, mechanical and chemical engineering, aerodynamics, physics, 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 some electromechanical systems. Topics include resonance, damping, frequency response, Laplace Transform methods, Lagrange's equations, multiple degree-of-freedom systems, and 3-D rigid body dynamics. Computer exercises on simulation of linear and nonlinear dynamic systems. Laboratory: experiments on vibration, stabilization, and complex dynamical systems 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 23a,b; Physics 11a or 15a.

[Engineering Sciences 128. Computational Solid and Structural Mechanics]

Catalog Number: 0359

John W. Hutchinson

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

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 2004–05.

Prerequisite: Engineering Sciences 120.

Engineering Sciences 139. Innovation in Science and Engineering: Conference Course

Catalog Number: 0994

David A. Weitz and others

Half course (fall term). Th., 3–5:30. EXAM GROUP: 17, 18

Explores factors and conditions contributing to innovation in science and engineering; how important problems are found, defined, and solved; roles of teamwork and creativity; and applications of these methods to other endeavors. Students receive practical and professional training in techniques to define and solve problems, and in brainstorming and other individual and team approaches.

Note: Taught through a combination of lectures, discussions, and exercises led by innovators in science, engineering, arts, and business.

Engineering Sciences 142. Orthopedic Biomechanics

Catalog Number: 6149

Ron N. Alkalay and guest lecturers

Half course (fall term). M., W., 3–4:30. EXAM GROUP: 8, 9

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, soft tissues (e.g., cartilage, ligament, muscle) and cellular mechanics. Examples from emerging technologies including imaging, cellular mechanics, and tissue engineering.

Prerequisite: Mathematics 21a,b or Applied Mathematics 21a,b; Physics 11a or 15a; Engineering Sciences 120 or equivalent introductory solid mechanics course.

Engineering Sciences 143. Biomedical Transport Phenomena as the Seed of a Biomedical Startup

Catalog Number: 4194

David A. Edwards

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). M., W., F., at 12. EXAM GROUP: 5

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 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 2004–05.

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, cardiovascular regulation. Laboratory: neural models, feedback control systems, properties of muscle, 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. 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 150. Probability with Applications in Electrical Engineering

Catalog Number: 8997

Navin Khaneja

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

An introduction to basic probabilistic ideas that find application in the study of communications and systems. Topics include: random variables, distributions and densities. Probabilistic models



in engineering. Markov chains and other discrete time stochastic processes. Conditional probabilities, Bayes' rule and application to the estimation of the value of a stochastic process. Examples from communication theory; characterization of communication channels. Introduction to decision theory and application to the control of uncertain systems.
Prerequisite: Mathematics 21a or Applied Mathematics 21a, and Mathematics 21b or Applied Mathematics 21b.

Engineering Sciences 151. Electromagnetic Engineering

Catalog Number: 5742

Donhee Ham

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

Electromagnetism and its applications in modern science and technology, with special emphasis on wireless and fiber-optic communications. Topics include transmission lines and microwave circuits, Maxwell's equations, electromagnetic waves in free space, matter, and waveguides, ray optics, and antennae. Applications of electromagnetism in ultra-fast integrated circuits, wireless networking, and radio astronomy are also discussed to place the electromagnetic theory in practical contexts of the present-day science research and communication technology.

Prerequisite: Basic electromagnetism (Physics 11b or 15b or equivalent), basic circuit analysis (Engineering Sciences 50 or Engineering Sciences 154 or equivalent), basic vector calculus (Applied Math 21a or equivalent), basic differential equations (Applied Math 21b or equivalent) and familiarity with Fourier analysis (some part of Applied Math 105a or ES 156 or equivalent).

Engineering Sciences 154. Electronic Devices and Circuits

Catalog Number: 6319

Gu-Yeon Wei

Half course (fall term). Tu., Th., 10–11:30, plus labs to be arranged. EXAM GROUP: 12, 13

Introduction to physical models of the operation of semiconductor devices and 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

Vahid Tarokh

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

Half course (spring 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.

Note: Expected to be given in 2004–05.

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 162. Hydrology]

Catalog Number: 4163

Ana P. Barros

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

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 2004–05. 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

Coral P. Fernandez-Illescas



Half course (fall term). M., W., 3:30–5. EXAM GROUP: 8, 9

Introduces engineering technologies for the control of the environment and relates them to underlying scientific principles. Efficient design of environmental management facilities and systems. Cases from aquatic, terrestrial, and atmospheric environments discussed.

Note: For undergraduates or graduates without background in environmental engineering.

Prerequisite: Exposure to the material in Applied Mathematics 21a or 21b (or equivalent), Engineering Sciences 101 and Chemistry 7 is recommended.

Engineering Sciences 167. Environmental Assessment

Catalog Number: 6885

Peter P. Rogers

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

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 Engineering Sciences 6 and Social Analysis 10.

Engineering Sciences 168. Aquatic Chemistry

Catalog Number: 5874

Scot T. Martin

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

Applications of organic, inorganic, and physical chemistry to describe and quantify processes occurring in natural waters. Thermodynamics and kinetics of aqueous solutions, acid-base chemical transformations, role of dissolved carbon dioxide, gas-water exchange, complexation of aqueous metal ions, precipitation and dissolution, oxidation and reduction, electrical aspects of solid-solution interfaces, particle aggregation, trace metal cycling, and photochemistry.

Note: Given in alternate years.

Prerequisite: Chemistry 5 and 7 or equivalent.

Engineering Sciences 173. Optoelectronics and Photonics: Principles and Applications

Catalog Number: 3490

Federico Capasso

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

Covers key topics in photonics and optoelectronics. Wave propagation, reflection, refraction, interference and diffraction, coherence. Dielectric waveguides and optical fibers: modes, dispersion, attenuation; bandwidth. Semiconductor concepts, energy diagrams, p-n junctions, LED materials and characteristics. Lasers: stimulated emission; optical amplifiers, gas lasers, diode lasers, quantum well lasers, single mode lasers. Photodetectors: p-i-n, avalanche, photoconductive and phototransistors, noise. Solar cells. Polarization and modulation of light: devices based on birefringence and on electrooptic, acousto-optic and nonlinear optical effects.

Prerequisite: Physics 11a and Physics 11b; or Physics 15a and Physics 15b.



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 classical thermodynamics.

Topics: zeroth law and temperature. Properties of single-component gases, liquids, and solids; steam tables. Equations of state for ideal and simple nonideal substances. First law, heat and heat transfer, work, internal energy, enthalpy. Second law, entropy, free energy. Third law. Heat engines and important engineering applications such as refrigerators, power cycles. Properties and simple models of solutions. Phase and chemical equilibrium in multicomponent systems; chemical potential. Laboratory included.

Prerequisite: Physics 11 or 15 and Applied Mathematics or Mathematics 21; chemistry at the level of a good secondary school course or Chemistry 5.

Engineering Sciences 190. Introduction to Materials Science

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. Crystallography, crystal defects and diffraction. Phase transformations: phase diagrams, diffusion, nucleation and growth.

Mechanisms of deformation and fracture. Effect of microstructure on properties. Introduction to mechanical behavior of bio-materials.

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 Electrical Engineering include Computer Sciences 243 and 246. Additional courses of interest to graduate students in Decision, Control, and Communication include Economics 2010a, 2010b, 2010c, 2120, 2140; Statistics 110, 171.

Engineering Sciences 201. Decision Theory

Catalog Number: 2362

Roger W. Brockett

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

Mathematical analysis of decision making under uncertainty. Axiomatic derivation of subjective probability and utility. Decision trees, normal and extended form, value of information. Bayesian inference. Comparison with classical forms of inference. Estimation and sequential decision problems. Normal models and filtering.

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

Sean B. Andersson

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

Study of dynamical systems with deterministic and stochastic inputs. Controllability and observability, linear quadratic control, dynamic programming and the Pontryagin maximum principle Stochastic models and Kalman-Bucy filtering. Applications from engineering, and economics.

Prerequisite: Linear differential equations, matrix algebra, and introductory probability as covered in Mathematics 21a, b and Engineering Sciences 150 or equivalents.

[Engineering Sciences 203. Stochastic Control]

Catalog Number: 6982

Roger W. Brockett

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

Introduction to the theory of stochastic differential equations based on Wiener processes and Poisson counters, and an introduction to random fields. The formulation and solution of problems in nonlinear estimation theory. The Kalman-Bucy filter and nonlinear analogues. Identification theory. Adaptive systems. Applications.

Note: Expected to be given in 2004–05.

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.

Modeling and performance optimization of complex discrete event systems, such as manufacturing plants, communication networks, interconnected power systems, etc. Covers methodology tools including queuing networks, simulation and sample path based analysis, ordinal optimization, and computational intelligence for evaluation and optimization of such systems.

Note: Expected to be given in 2004–05.

Prerequisite: Linear algebra and multivariate calculus. A first course in probability such as Mathematics 109, Statistics 110, Engineering Sciences 201 and/or Engineering Sciences 202 desirable but not necessary.

Engineering Sciences 209. Nonlinear Control Systems

Catalog Number: 1194

Navin Khaneja

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Study of nonlinear input-output systems including controllability, observability, uniqueness of models, stability, and qualitative behavior of nonlinear dynamical systems. Differential geometry and Lie theory methods developed to study control of classical and quantum mechanical systems.



Engineering Sciences 210. Mathematical Programming

Catalog Number: 5499

Donald G. M. Anderson

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

Introduction to basic optimization techniques. Linear programming: the simplex method and related algorithms, duality theory, interior-point methods. Unconstrained optimization, nonlinear programming, convexity.

Note: Expected to be omitted in 2004–05. Given in alternate years.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b; Applied Mathematics 120, or equivalent.

Engineering Sciences 212. Advanced Orthopedic Biomechanics

Catalog Number: 3856

Ron N. Alkalay and guest lecturers

Half course (fall term). M., W., 3–4:30. EXAM GROUP: 8, 9

Students are expected to meet all of the requirements of Engineering Sciences 142 and in addition are required to write a term paper with significant analytical and engineering emphasis.

Prerequisite: Mathematics 21a,b or Applied Mathematics 21a,b; Physics 11a or 15a; Engineering Sciences 120 or equivalent introductory solid mechanics course.

Engineering Sciences 213. Advanced Biomedical Transport Phenomena as the Seed of a Biomedical Startup

Catalog Number: 1083

David A. Edwards

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

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 2004–05.

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 expected to meet all of the requirements of Engineering Sciences 145 and in addition required to write a term paper with significant analytic emphasis.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

Engineering Sciences 216. Biological Mechanics

Catalog Number: 8148

L. Mahadevan

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

Develops and applies continuum and statistical mechanics to biomechanical phenomena.

Molecular, cellular and tissue mechanics. Motors, motility and muscle. Sensory physiology and mechanotransduction. Morphogenesis and development. Animal locomotion. Evolutionary mechanics.

Prerequisite: Knowledge of undergraduate fluid/solid mechanics (or equivalent courses in physics), differential equations.

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. 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. Advanced Cellular Engineering

Catalog Number: 0696

Kevin K. Parker

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

Students are expected to meet all requirements of Engineering Sciences 119r and to give a presentation on a cellular engineering topic of their choosing, subject to instructor approval, with handouts, homework, and examination questions.

Prerequisite: Inorganic chemistry, cell biology, physics, and mathematics at the level of Applied Mathematics 21 or Mathematics 21. Suggested courses include organic chemistry and molecular biology.

Engineering Sciences 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. Topics in Biological Fluid Mechanics]

Catalog Number: 3982

Michael P. Brenner and Howard A. Stone

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

Spring Term 2003: Study of modern applications of fluid mechanics to problems in biology, biophysics, and biomedical engineering.

Note: Expected to be given in 2004–05.

Prerequisite: Engineering Sciences 220 or permission of the instructor.

Engineering Sciences 239. Advanced Innovation in Science and Engineering: Conference Course

Catalog Number: 8303

David A. Weitz and others

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

Students are expected to meet all the requirements of Engineering Sciences 139 and in addition are required to prepare an individual term project with significant analytic emphasis in an area of scientific or technological innovation.

Engineering Sciences 240. Solid Mechanics

Catalog Number: 2984

John W. Hutchinson

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Foundations of continuum mechanics, development of elasticity theory, and introduction to plasticity, conservation laws, stress, strain, and constitutive behavior. Vectorial, dyadic, and tensorial form of equations. Basic problems, bending, torsion, waves. 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

James R. Rice and John W. Hutchinson

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Mechanics of finite deformation; buckling instability. Thermodynamics of continua; thermoelasticity, poroelasticity. Basic three-dimensional problems; inclusions and inhomogeneities. Plane elasticity and complex variable methods. Crack solutions. Elastic waves, vibrations; radiation from fractures.

Note: Expected to be given in 2004–05.

Prerequisite: Engineering Sciences 240 and Applied Mathematics 201 or equivalents.

Engineering Sciences 242r. Solid Mechanics: Advanced Seminar

Catalog Number: 5379

Zhigang Suo

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



The mechanics of evolving small structures. Examples include self-assembled quantum dots, monolayer island arrays, and electromigration. The study follows the conceptual flow from atomic processes, to mesoscopic phenomena, and to engineering implications.

Prerequisite: Familiarity with either applied mechanics or materials science.

[Engineering Sciences 246. Plasticity]

Catalog Number: 4271

Joost J. Vlassak

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

Phenomenological theories for strain hardening materials; flow and deformation theories. Variational principles and other general theorems. Mechanisms of plastic deformation, physical theories for strain hardening materials, and polycrystals. Ideal plasticity. Boundary value problems, plastic collapse, buckling of structures.

Note: Expected to be given in 2004–05.

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 250. Information Theory

Catalog Number: 8606

Toby Berger (Cornell University)

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

Fundamental concepts and results of C. E. Shannon's theory of information. Applications to classical, quantum and biological communications discussed as time permits. At the level of *Elements of Information Theory* by Cover and Thomas.

Prerequisite: A full term of probability theory, imparting facility with conditional probability, random variables, random vectors, and the expectation operator.

[Engineering Sciences 255. Detection and Estimation]

Catalog Number: 9816

Vahid Tarokh

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

Binary and M-ary random hypothesis testing, estimation theory, parameter estimation, Cramer-Rao bound, non-linear estimation, stochastic processes and systems, Poisson and other special processes, detection and estimation from waveform, waveform estimation, Wiener and Kalman filtering.

Note: Expected to be given in 2004–05.

Prerequisite: Mathematics 25.



[Engineering Sciences 256. Error Control Codes]

Catalog Number: 9677

Vahid Tarokh

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

Finite Fields. Weight Distribution. Cyclic, BCH and Reed-Solomon Codes. MDS Codes.

Generalized BCH Codes. First, second and higher Order Reed-Muller Codes, Quadratic-Residue Codes. Fundamental Bounds. The Golay Codes. Convolutional codes and Turbo codes.

Note: Expected to be given in 2004–05.

Prerequisite: A course in linear algebra.

[Engineering Sciences 257. Advanced Computer Speech Generation and Recognition]

Catalog Number: 5006

Half course (spring 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.

Note: Expected to be given in 2004–05.

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 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). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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 2004–05. Given in alternate years.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

[Engineering Sciences 262. 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 2004–05.

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 and Alan W. Rempel

Half course (spring term). Tu., Th., 10–11:30. 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 (fall term). Th., 1:30–4:30. EXAM GROUP: 15, 16

The overall focus of the course is on observing, modeling and forecasting of precipitation and land-atmosphere interactions. 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 2004–05.

***Engineering Sciences 267r. Special Topics in Environmental Hydrology**

Catalog Number: 9896

Ana P. Barros

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

Examines various topics including land-atmosphere-biosphere interactions, surface-groundwater interactions, transport phenomena, and flood and drought hazards. Focus is on connecting spatial and temporal scales, and restoration and sustainability of environmental systems.



[Engineering Sciences 268. Environmental Chemical Kinetics]

Catalog Number: 8711

Scot T. Martin

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

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.

Note: Expected to be given in 2004–05. Given in alternate years.

Prerequisite: Physical Chemistry (e.g., Chemistry 60 or Engineering Sciences 168) and Applied Mathematics 21a,b or Mathematics 21a,b or equivalent.

[Engineering Sciences 269. Fluvial Geomorphology and Landscape Evolution]

Catalog Number: 2160

Half course (spring term). F., 1:30–4:30. EXAM GROUP: 6, 7

Natural landscapes and drainage basins result from the interaction of geologic, tectonic, biological, aeolian and fluvial processes, leading to well organized drainage systems. We study the nature of this self organization and present models to represent the landscape evolution over long time periods.

Note: Expected to be given in 2004–05.

Prerequisite: Required background: basic calculus, differential equations, and basic probability and statistics. Additional desired background: hydrology, geology, fluid mechanics, computer skills.

Engineering Sciences 272. RF and High-Speed Integrated Circuits

Catalog Number: 5157

Donhee Ham

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

Analysis and design of RF and high speed integrated communication circuits at both transistor and system levels. Emphasis on intuitive design methods, physical understanding, analytical and simulational performance evaluation, and practical technology limitations.

Prerequisite: Solid-state devices and analog circuits (Engineering Sciences 154 or equivalent), basic electromagnetism (Physics 11b or 15b or some part of Engineering Sciences 151 or equivalent), basic differential equations (Applied Mathematics 21b or equivalent), and Fourier analysis (some part of Applied Mathematics 105a or Engineering Sciences 156 or equivalent).

Engineering Sciences 274. Quantum Technology I

Catalog Number: 5645

Federico Capasso

Half course (fall term). W., F., 2–3:30. EXAM GROUP: 7, 8

The focus is on devices based on bandstructure engineering that have impacted photonics and modern communications. Semiconductor heterostructures. Quantum size effect; tunneling; superlattices; excitons; quantum confined Stark effect. Quantum well lasers and modulators;



detectors.

Prerequisite: Undergraduate level quantum mechanics such as Physics 143a or equivalent. Familiarity with basic solid-state physics (Applied Physics 195 or equivalent), semiconductor physics and electronic devices (Applied Physics 283, Engineering Sciences 154 or equivalent).

Engineering Sciences 278. Custom Design of Advanced VLSI Circuits and Systems

Catalog Number: 8194

Gu-Yeon Wei

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

Covers a broad range of topics in advanced VLSI design. The latter half of the term will focus on custom VLSI design group projects that will be fabricated through an external semiconductor foundry.

Prerequisite: Computer Science 141, Engineering Sciences 154, or equivalent courses, or approval of instructor.

Engineering Sciences 299r. Special Topics in Engineering Sciences

Catalog Number: 6710

John W. Hutchinson

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

Supervision of experimental or theoretical research on acceptable engineering and applied science problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the Division. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Cross-listed Courses

[Earth and Planetary Sciences 263. Earthquake Source Processes]

Additional courses of interest to graduate students in Environmental Science and Engineering might include courses offered at the Harvard School of Public Health.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Engineering Sciences 303,304. Topics in Electronic Materials and Semiconductor Heterostructure Physics**

Catalog Number: 8668,2824

Venkatesh Narayanamurti 5445

***Engineering Sciences 305,306. Manufacturing to Satisfy Stochastic Demand**

Catalog Number: 6157,6159

Frederick H. Abernathy 1047 (on leave fall term)



***Engineering Sciences 307,308. Control Theory, Robotics, Computer Vision, and Intelligent Machines**

Catalog Number: 7566,2719

Roger W. Brockett 3001

***Engineering Sciences 309,310. Design, Sensing, and Control**

Catalog Number: 5043,7419

Robert D. Howe 2789 (on leave spring term)

***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

***Engineering Sciences 317,318. Systems and Control**

Catalog Number: 5089,1030

Yu-Chi Ho 1057

***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 (on leave 2003-04)

***Engineering Sciences 329,330. Wireless Communication and Networking**

Catalog Number: 4111,7427

Vahid Tarokh 4368

***Engineering Sciences 331,332. RF and High-Speed Integrated Circuits**

Catalog Number: 9645,9655

Donhee Ham 4519

***Engineering Sciences 333,334. Mechanics and Materials in Small Structures**

Catalog Number: 6528,5449

Zhigang Suo 4761



***Engineering Sciences 335,336. Mechanics of Engineering Materials and Small Devices**

Catalog Number: 8173,2399

Joost J. Vlassak 3184

***Engineering Sciences 337,338. Mechanics of Solids and Fluids: Geomechanics; Faulting, Friction and Fracture**

Catalog Number: 4316,3948

James R. Rice 7270 (on leave fall term)

***Engineering Sciences 341,342. Special Topics in Fluid Dynamics**

Catalog Number: 2231,2237

Howard A. Stone 2073 (on leave spring term)

***Engineering Sciences 343,344. Deformation and Fracture of Materials**

Catalog Number: 3907,2803

John W. Hutchinson 1573 (on leave fall term)

***Engineering Sciences 347,348. Biological Systems Analysis and Control**

Catalog Number: 6761,3310

Garrett B. Stanley 2797

***Engineering Sciences 353,354. Cellular Biophysics**

Catalog Number: 3813,3798

Kevin K. Parker 4788

***Engineering Sciences 357,358. Atmosphere-Biosphere Interactions**

Catalog Number: 7661,8060

Steven C. Wofsy 4396 (on leave 2004-05)

***Engineering Sciences 359,360. Stratospheric Chemistry and Transport**

Catalog Number: 8410,6856

Steven C. Wofsy 4396 (on leave 2004-05)

***Engineering Sciences 361,362. Atmospheric Chemistry**

Catalog Number: 7238,7514

Daniel J. Jacob 1781 (on leave fall term)

***Engineering Sciences 363,364. Dynamic Meteorology**

Catalog Number: 3756,3757

Brian F. Farrell 7628 (on leave spring term)

***Engineering Sciences 369,370. Urban and Regional Systems Analysis**

Catalog Number: 8775,8768

Peter P. Rogers 2804 (on leave fall term)



***Engineering Sciences 375,376. Environmental Biology**

Catalog Number: 3985,2863

Ralph Mitchell 1587 (on leave spring term)

***Engineering Sciences 377,378. Transport Phenomena and Biomaterials for Drug Delivery**

Catalog Number: 6385,8671

David A. Edwards 3919

***Engineering Sciences 381,382. Environmental Physics, Hydrology, Remote Sensing of the Environment, Hydrometeorology, Scaling Studies**

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, Powell M. Cabot Professor of American Literature and John P. Marquand Professor of English (*Chair*)

Daniel Albright, Professor of English and American Literature and Language

Isobel Armstrong, Visiting Professor of English and American Literature and Language

Suzanne Berne, Lecturer on English and American Literature and Language

Homi K. Bhabha, Anne F. Rothenberg Professor of English and American Literature and Language

Glenda R. Carpio, Assistant Professor of African and African American Studies and English and American Literature and Language (*on leave spring term*)

Lan Samantha Chang, Briggs-Copeland Lecturer on English and American Literature and Language

J. D. Connor, Assistant Professor of Visual and Environmental Studies and of English and American Literature and Language



Leo Damrosch, Harvard College Professor and the Ernest Bernbaum Professor of Literature
Leland P. Deladurantaye, Assistant Professor of English and American Literature and Language
(on leave spring term)
Daniel G. Donoghue, John P. Marquand Professor of English *(Acting Director of Undergraduate Studies, fall term) (on leave spring term)*
James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
(on leave spring term)
Lynn Mary Festa, Assistant Professor of English and American Literature and Language
Philip J. Fisher, Felice Crawl Reid Professor of English and American Literature *(on leave 2003-04)*
Marjorie Garber, William R. Kenan, Jr. Professor of English
Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities *(on leave 2003-04)*
Amitav Ghosh, Visiting Professor of English and American Literature and Language and History and Literature *(Queens College, City University of New York)*
Jorie Graham, Boylston Professor of Rhetoric and Oratory *(on leave fall term)*
Erik Irving Gray, Assistant Professor of English and American Literature and Language *(on leave 2003-04)*
Stephen J. Greenblatt, John Cogan University Professor *(on leave fall term)*
Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore
DeSales Harrison, Lecturer on English and American Literature and Language
Seamus Heaney, Ralph Waldo Emerson Poet in Residence
Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society *(on leave 2003-04)*
Robert J. Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of English *(on leave spring term)*
Jamaica Kincaid, Visiting Lecturer on African and African 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
Elizabeth D. Lyman, Assistant Professor of English and American Literature and Languages
Michele C. Martinez, Lecturer on History and Literature
Louis Menand, Professor of English and American Literature and Language *(on leave fall term)*
Kyoko Mori, Briggs-Copeland Lecturer on English and American Literature and Language
Brighde Mullins, Briggs-Copeland Lecturer on English and American Literature and Language
Elisa New, Professor of English and American Literature and Language *(Director of Undergraduate Studies) (on leave fall term)*
Peter C. Nohnberg, Assistant Professor of English and American Literature and Language
John Parker, Assistant Professor of English and American Literature and Language
John M. Picker, Assistant Professor of English and American Literature and Language *(on leave fall term)*
Douglas A. Powell, Briggs-Copeland Lecturer on English and American Literature and Language
Leah Price, Professor of English and American Literature and Language
Peter D. Richards, Lecturer on English and American Literature and Language
Ann Wierda Rowland, Assistant Professor of English and American Literature and Language *(on*



leave 2003-04)

Peter Sacks, John P. Marquand Professor of English (*on leave fall term*)

Robert Scanlan, Visiting Lecturer on English and American Literature and Language

Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value (*on leave 2003-04*)

Sharmila Sen, Assistant Professor of English and American Literature and Language (*on leave spring term*)

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English

Michael Shinagel, Senior Lecturer on English

William James Simpson, Professor of English and American Literature and Language (*on leave spring term*)

Zadie Smith, Visiting Lecturer on English and American Literature and Language

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

John Stauffer, John L. Loeb Associate Professor of the Humanities (*on leave 2003-04*)

Roger E. Stoddard, Senior Lecturer on English

Gordon L. Teskey, Professor of English and American Literature and Language (*on leave 2003-04*)

Katherine A. Vaz, Briggs-Copeland Lecturer on English and American Literature and Language

Helen Vendler, Arthur Kingsley Porter University Professor

Nicholas Watson, Professor of English and American Literature and Language (*Director of Graduate Studies*)

James Wood, Visiting Lecturer on English and American Literature and Language

English 10a and 10b, both required of concentrators, are often chosen as entry points to the study of English at Harvard. Students are invited, however, to begin at any other point that might seem better suited to their interests and level of preparation: a Freshman Seminar taught by faculty members from the English Department; English 97, the Sophomore Seminar that is required of concentrators; English 13, 17, 20, 34, or a 100 level course, all of which are taught in lecture or seminar-like format according to enrollment size; or, space permitting and with instructor consent, a 90 level Undergraduate Seminar or a Creative Writing workshop.

I. Creative Writing

Primarily for Undergraduates

Without approval of the department, no student may take more than one full course in Creative Writing in any one year. A Creative Writing course may be repeated for credit provided the student has the permission of the instructor and the Director of Undergraduate Studies of the Department.

***English Capr. Advanced Poetry Workshop**

Catalog Number: 6523 Enrollment: Limited to 15.

Peter D. Richards (fall term) and Jorie Graham (spring term)

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

Open by application to both undergraduates and graduates. Please submit a portfolio including a letter of interest, ten poems, and a list of classes (taken at Harvard or elsewhere) that seem to



have bearing on your enterprise. Class lasts 3 hours and includes the study of poetic practice in conjunction with the discussion of student work.

***English Ckr. Playwriting Workshop**

Catalog Number: 6781 Enrollment: Limited to 15.

Brighde Mullins

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

The focus of this workshop is on writing for the stage. With this in mind, we will read plays, view productions, and discuss the contributions of the designers, actors, and director. We will hear each other's plays, discuss them, and rewrite them with an eye to the overall theatricality of the scripts. In the spring term, our focus is on writing and performing monologues and soliloquies.

Note: Admission based on samples of writing to be assigned at the first, introductory meeting.

***English Clr. Screenwriting Workshop**

Catalog Number: 6121 Enrollment: Limited to 15.

Brighde Mullins

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

This workshop introduces students to the structural format of the screenplay with a focus on text. Assignments include reading scripts and viewing independent and short films, as well as adaptations, as practical models for writing a script.

Note: Admission based on samples of writing to be assigned at the first, introductory meeting.

***English Cnr. Advanced Fiction: Long Narratives**

Catalog Number: 2024 Enrollment: Limited to 15.

Lan Samantha Chang

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

An advanced workshop with an emphasis on the novella and the novel. Students are expected to draft and polish 40-50 pages of prose; the class also reads and discusses assigned texts.

Note: Admission based on previously submitted samples of writing. Generally for students who have taken fiction workshops before.

***English Cpr. Poetry Writing I**

Catalog Number: 3053 Enrollment: Limited to 15.

Douglas A. Powell (fall term) and Peter D. Richards (spring term)

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

A poetry workshop open by application to undergraduate and graduate students alike. In this class students will study modern and contemporary poets and can expect to submit their own poems on a weekly basis for peer review.

Note: Admission based on previously submitted samples of writing.

***English Cpwr. Poetry Workshop**

Catalog Number: 4606 Enrollment: Limited to 15.

Jorie Graham (spring term) and Peter D. Richards (fall term)

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

Open by application to both undergraduates and graduates. Please submit a portfolio including



five poems, a letter explaining your interest in the class, and a list of relevant classes taken at Harvard or elsewhere. Class includes the discussion of literary texts as well as of 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). Spring: Tu., 1–4. EXAM GROUP: Spring: 15, 16, 17

A concentrated workshop in poetry for either beginning or advanced poets. The course will be organized around work by post-modern and contemporary poets, drawing inspiration from the strategies and methods evidenced in their work.

***English Crr. Beginning Fiction**

Catalog Number: 1893 Enrollment: Limited to 15.

Lan Samantha Chang

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

Fiction writing workshop with an emphasis on the short story. We begin with short exercises and move toward the completion and revision of original work. We read fiction by Chekhov, Joyce, Woolf, Barthelme, and others, and discuss the different ways in which these writers create character, movement, voice, etc. As the term continues, we'll devote increasing amounts of time to the discussion of student work.

Note: Written assignments include exercises, two short stories, and at least one extended revision. Admission based on previously submitted samples of writing.

***English Csr. Fiction Writing**

Catalog Number: 2601 Enrollment: Limited to 15.

Katherine A. Vaz

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

An introduction to the art and craft of fiction writing. We'll address the basics of character, plot, dialogue, imagery, setting, and description with weekly exercises and informal lectures. Reading assignments will include works by Chekhov, O'Connor, Schultz, Cortázar, and Chute. Students will be required to submit two stories and to provide thorough commentary on the work of colleagues. Short stories or portions of novels are acceptable.

Note: Admission based on previously submitted samples of writing.

***English Ctr. Advanced Fiction**

Catalog Number: 7175 Enrollment: Limited to 15.

Lan Samantha Chang

Half course (fall term). Th., 4–6. EXAM GROUP: 18

See English Crr. Students in the advanced class will be expected to revise work more often and to a higher standard.

Note: Admission based on previously submitted samples of writing. Generally for students who have taken fiction workshops before.



***English Cvr. Fiction Writing**

Catalog Number: 1223 Enrollment: Limited to 15.

Jamaica Kincaid

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

A seminar/workshop. Readings include Bruno Schultz, Jean Toomer, Robert Walser, and Rimbaud's *Illuminations*, among others.

Note: Admission based on previously submitted samples of writing. Submissions from experienced fiction writers are welcome.

***English Cwr. Advanced Fiction Writing**

Catalog Number: 7765 Enrollment: Limited to 15.

Katherine A. Vaz

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

Students will make weekly presentations on aspects of craft, and reading assignments will include works by Schultz, Morrison, García Marquez, Munro, Rodoreda, and Fitzgerald. Two stories (or portions of novels) will be required along with revisions of material (to be decided on a per project basis). Typed critiques must be provided for all work of colleagues under review.

Note: Admission based on previously submitted samples of writing.

***English Cxr. Fiction Writing**

Catalog Number: 3331 Enrollment: Limited to 15.

Zadie Smith

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Fiction workshop with an emphasis on the novel. Class will last 3 hours. Discussions concentrate on student work together with some study of literary texts.

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

A workshop in nonfiction writing. Class meetings include discussions of student writing, assigned readings, and the craft of writing.

Note: Freshmen admitted only with evidence of unusual qualification. Admission based on previously submitted samples of writing.

***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

An advanced workshop for students who have had experience in writing nonfiction. Class meetings include discussions of student writing, assigned readings, and the craft of writing.

II. Literature

Primarily for Undergraduates



Introductory Lecture Courses (two lectures, one discussion section weekly)

English 10a. Major British Writers I

Catalog Number: 8327

Nicholas Watson

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; plays, novels, and essays also read.

Note: Open to freshmen. Two lectures and one section meeting per week. Required of English concentrators. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 10b. Major British Writers II

Catalog Number: 0550

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.

Note: Open to freshmen. Two lectures and one section meeting per week. Required of English concentrators. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 13. The English Bible

Catalog Number: 6532

Robert J. Kiely

Half course (fall term). M., W., at 10. EXAM GROUP: 3

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.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 17. American Literature to 1915

Catalog Number: 3883

Lawrence Buell

Half course (spring term). M., W., at 2. EXAM GROUP: 7

An introduction to the study of American literature from 1620 to the dawn of modernism, from Bradstreet, Taylor, and Franklin to the antebellum “renaissance” of Hawthorne, Douglass, Melville, Whitman, and Dickinson to Twain, James, Frost, and the early Eliot. Emphasis on poetry, prose fiction, autobiography and other nonfictional genres. Attention to “marginal” as well as “mainstream” writing.

English 34. Elements of Rhetoric

Catalog Number: 3820

James Engell

Half course (fall 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 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.

***English 59. 20th-Century Reading for 21st-Century Writers**

Catalog Number: 1526 Enrollment: Limited to 15.

Zadie Smith

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

An examination of the formal mastery of a clutch of 20th-century novelists concentrating on how their individual practices might assist aspiring 20th-century writers. The course will be punctuated by readings of literary theory and investigation of how writers respond to the contemporary events of their day. Authors include: Forster, Kafka, Neale Hurston, Nabokov, Updike, Amis, Salinger, Wallace, Sebald, Fox, and Franzen.

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 90cf. Caribbean Fictions**

Catalog Number: 8964

Sharmila Sen

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

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 focus on some of the current questions in Caribbean fictions, paying attention to the genealogies of such concerns and debates. Authors include Behn, Rhys, Naipaul, Lamming, Harris, Phillips, Condé, Cliff, and Powell.

***English 90cl. Comic Literature through the Middle Ages**

Catalog Number: 8321

Daniel G. Donoghue

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to various kinds of literature broadly construed as comic, including drama, fabliaux, Latin lyrics, Chaucer, Middle Scots poetry and other genres up to Rabelais and Shakespeare. Non-English works will be read in a facing-page translation. With the help of Huizinga, Bakhtin, and later critics, we develop an understanding of what constitutes humor from this period, as well as the serious “institutions” that invite a comic reflex.

English 90gm. Reading *Paradise Lost

Catalog Number: 5998

Barbara K. Lewalski

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

A book-by-book reading of Milton's great epic, attending to the representations of God, Satan, Adam and Eve, heaven, hell, Eden, and Chaos; to the problematics of heroism, love, work,



gender relations, innocence and sin; and to matters of style and versification. Some other works will provide context, among them Virgil's *Aeneid* and parts of the Bible, Ovid's *Metamorphoses*, and Spenser's *Faerie Queene*.

[*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. Authors covered are Dryden, Swift, Pope, Johnson, Gay, Voltaire, Orwell, Brecht, Vonnegut, and West.

Note: Expected to be given in 2004–05.

***English 90ie. 19th-Century Fiction and the Meaning of Space**

Catalog Number: 2246

Isobel Armstrong

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

We explore how space is represented in eight major novels from *Frankenstein* to *Dracula*.

Space, social and 'inner' psychological space, domestic and colonial, rural and urban, public and private, masculine and feminine, shapes the form of fiction and generates urgent questions about the world we live in. We look at the way space has been conceptualized in different ways by philosophers, geographers, planners, and theorists, from Kant to Bachelard.

Note: One long paper required.

***English 90ja. The Poetry of Walt Whitman**

Catalog Number: 5586

Helen Vendler

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A study of Walt Whitman, considering his exemplary function in American literature. Topics: colonial poetry; nationalist poetry; the organic volume; perception into language; genres in Whitman; the poetry of geography; erotics of writing; the poetry of war.

[*English 90ka. The Brontës]

Catalog Number: 1097

Elaine Scarry

Half course (fall term). Hours to be arranged.

Writings by Emily, Anne, and Charlotte Brontë, as well as the later novels and films their work inspired.

Note: Expected to be given in 2004–05.

[*English 90kw. The American Civil War]

Catalog Number: 1957

John Stauffer

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

***English 90lc. Jane Austen**

Catalog Number: 7848

Lynn Mary Festa

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Austen's novels with special attention to the political, historical, literary, and critical contexts in which Austen wrote and is now consumed.

***English 90lv. Consciousness from Austen to Woolf**

Catalog Number: 3200

James Wood

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

We look at the complex ways in which writers represent their characters' thought, in texts by Austen, Flaubert, James, Tolstoy, Chekhov, Giovanni Verga, and Woolf. More broadly, we trace the development of stream-of-consciousness, from Austen's incipient mastery of free indirect style, through Flaubert's more sophisticated use of it, to Woolf's full-blown inner monologues, seeing this development as not merely a fact of English and American literature, but as a phenomenon of world-literature and an element of our modernity.

***English 90mf. 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 90ne. Rhetoric of Belief**

Catalog Number: 4681

Robert J. Kiely

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of the literature of religious, political, or ethical commitment. Readings from Thoreau, Lincoln, Gandhi, Martin Luther King, Jr., Hannah Arendt, Gary Snyder, Rachel Carson, Primo Levi, Dorothy Day, Thomas Merton, and others.

***English 90pb. Dramatic Structure and Analysis**

Catalog Number: 4661

Robert Scanlan

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Introduces the Plot-Bead technique for analyzing and/or constructing artistic forms that are performance events. Several artworks, most of them plays, but some of them poems and one of them a musical composition, will be studied in detail in the light of depth action analysis and



codification of the artifact's time-form in a plot-bead diagram. The roots of these analytical techniques (which have practical utility for artists) are Aristotelian, but we will see them reflected in 20th-century practice.

***English 90pl. Psychoanalysis and the Lyric Poem**

Catalog Number: 5503

DeSales Harrison

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

An investigation into the relation (historical, theoretical, ontological) between lyric poetry and psychoanalysis. Particular attention given to: questions of form, content, structure, freedom, constraint, metaphor, and resistance; the rhetoric of credible human presence; claims and critiques of selfhood derived from and/or directed against psychoanalytic practice. Readings from Shakespeare, Herbert, Whitman, Hardy, Lowell, Plath, Hecht, Bidart, Gluck, William James, Freud, Wittgenstein, Lacan, Winnicott, Kristeva, Vendler, Johnson, Crews, Zizek, Bass, Grossman, Lear.

***English 90qb. Celebrated Plays: Award Winning British and American Drama 1993-2003**

Catalog Number: 8426

Elizabeth D. Lyman

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

We will read the most celebrated plays of the last ten years as measured by their selection for major theater awards. We will also study the culture of awards to uncover patterns and biases (if any) in individual competitions. Final projects may be critical or creative. At the end of the class, we will have our awards ceremony, and vote on plays in each category which we, as victims of our own biases, most admire.

***English 90qn. Navigating Ulysses**

Catalog Number: 8643

Peter C. Nohnberg

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

James Joyce's modernist epic supplemented by readings of significant intertexts (*The Odyssey*, *Hamlet*) along with works of secondary criticism. Attention directed both to formal aspects of this difficult work as well as to its thematic engagement with important issues of its time, including: Irish nationalism and British colonialism, feminism, the advent of advertising, and the rise of consumer culture.

***English 90qv. Women on the Verge: 20th-Century American Women Playwrights**

Catalog Number: 8226

Elizabeth D. Lyman

Half course (spring term). Tu., 2–4. EXAM GROUP: 7, 8

From Gertrude Stein to Suzan-Lori Parks, American women have been at the forefront of 20th-century efforts to relate form to content in dramatic literature. We'll read a sampling of play texts and manifestos by "women on the verge" whose brilliant solutions to form-content issues have had a profound impact (often acknowledged only decades later) on the lives and work of those of us who come after. Research and creative projects related to individual interests encouraged.



***English 90sb. Samuel Beckett's Plays and Prose**

Catalog Number: 3487

Robert Scanlan

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Studies systematically the arc of Samuel Beckett's literary career, with particular emphasis on Beckett's stage and video plays. The course proposes the idea of a "stable habitation for the Self" as one way of understanding both Beckett's thematic *matière* and his astonishing aesthetic innovations in three media: stage, page, and video screen. Video resources supplement reading and discussion of texts, and local productions of the plays are studied when available.

***English 90th. Poetry Beyond Modernism**

Catalog Number: 7169

DeSales Harrison

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Beyond the work of Yeats, Pound, and Eliot, what other innovations and developments constituted the "new" in the poetry of the first half of the twentieth century? Readings will include works by these poets, but will focus on poems that do not readily adapt themselves to familiar definitions of the Modern. Special attention will be given to Hardy, Frost, Stevens, Millay, Langston Hughes, Auden, and Larkin. Assignments will include some secondary material.

***English 90tx. Literatures of Travel in the 18th Century**

Catalog Number: 5301

Lynn Mary Festa

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

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 Defoe, Swift, Boswell, Equiano, Sterne, Mary Wortley Montagu's *Turkish Embassy Letters*, and Mungo Parks' *Travels to the Interior of Africa*.

Note: This course satisfies the English Department's pre-1800 requirement.

***English 90ui. The Indian Novel in English**

Catalog Number: 4187

Sharmila Sen

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

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 90ul. Life Writing**

Catalog Number: 2915

Amitav Ghosh



Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Explores the challenges and limitations of the first person narrative. We read some classic biographical and autobiographical works and we will also explore related forms such as narratives of confession, travel writing, rapportage, and first person accounts that are written in order to “bear witness” at moments of historical or personal crisis. The course is conducted as both seminar and workshop and there will be as much emphasis on writing as on reading.

[*English 90vh. Harlem Renaissance]

Catalog Number: 3628

Henry Louis Gates, Jr.

Half course (fall term). Hours to be arranged.

An examination of the period of unprecedented African-American literary flowering during the 1920’s and 1930’s. 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.

Note: Expected to be given in 2004–05.

***English 90zt. Techno-Lit: Images of Scientific Ideas in Fiction**

Catalog Number: 6362

Daniel Albright

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An exploration of literary responses to scientific and mathematical models of man understood either as a threat to humane values or possibly as a culmination of them. Close attention to both literary texts and to the scientific ideas (Newtonian determinism, entropy, Einsteinian relativity) that trouble or inspire them. Thomas Pynchon’s work is the destination for our study, but we arrive there via the writings of Swift, Voltaire, Lawrence, Beckett, Borges, and others.

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). Fall: Tu., 2–4; Spring: Tu., 3–5. EXAM GROUP: Spring: 17, 18

Introduction to methods of literary analysis. Selected texts in English and American literature studied along with readings in theory and criticism. Required of concentrators in the sophomore year.



***English 98r. Tutorial—Junior Year**

Catalog Number: 3831

Elisa New and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised small group tutorial in the study of English and American literature.

Note: Limited to honors concentrators.

Prerequisite: G.P.A. of 12.5 or above in the concentration.

***English 99r. Tutorial—Senior Year**

Catalog Number: 3901

Elisa New and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised individual tutorial in an independent scholarly or critical subject.

Note: Two terms required of all thesis honors seniors. To enroll, students must submit for approval a Thesis Proposal.

Prerequisite: Satisfactory completion of one term of English 98r, completion of an undergraduate seminar (90-level) taken junior year, and faculty 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 (fall term). M., W., at 12. EXAM GROUP: 5

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 102e. Anglo-Saxon Language and Culture: Introduction to Poetry

Catalog Number: 1128

Joseph C. Harris

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Introduction to the language and culture of England before 1066, with special attention to poetry and poetics that have influenced modern poets such as Pound and Auden. By the end of the term we will have read, in the original, a handful of the greatest short poems in the English language, among them *The Wanderer* and *The Seafarer*.

Note: Fulfills the College language requirement and the English Department's Foreign Literature requirement if its continuation, English 103g, is also completed.

English 103g. Anglo-Saxon Language and Culture: Beowulf and Elegy

Catalog Number: 6728

Joseph C. Harris

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16



Tolkien regarded *Beowulf* as much “elegy” as “epic,” and current readers treat the poem as a cultural elegy for a passed or passing world. Close reading of about one-half of the poem in the original, the rest in the Heaney translation, leading to criticism and scholarship on *Beowulf* and elegy in Old English and related literatures. Builds on English 102e, continuing the language study and cultural survey with focus on the central poetic monuments of Anglo-Saxon England. *Note:* Fulfills the College language requirement and the English Department’s Foreign Literature requirement.

Prerequisite: English 102e or equivalent.

[English 111. Introduction to Medieval Literature]

Catalog Number: 0444

Daniel G. Donoghue

Half course (fall term). Hours to be arranged.

A survey of medieval literature from ca. 800 to 1500, which will introduce students to various genres (lyric, epic, chronicle, saints’ lives, fabliaux, romance, dream visions, drama, and others) across the centuries. Early and dialectical works will be read in translation. (Chaucer’s *Canterbury Tales* will not be included, though *Troilus and Criseyde* will.)

Note: Expected to be given in 2004–05. No previous knowledge of Old or Middle English is required.

English 115b. Chaucer: *The Canterbury Tales*

Catalog Number: 2945

Nicholas Watson

Half course (spring term). Tu., Th., at 10; W., at 5. EXAM GROUP: 12

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 121. Shakespearean Playwriting]

Catalog Number: 8980

Stephen J. Greenblatt

Half course (spring term). Hours to be arranged.

Explores Shakespeare at work, transforming his sources, shaping his plots and characters, writing and revising his scripts. The goal is to understand the making and remaking of the plays for live performance in the theaters of Elizabethan and Jacobean England. In addition to critical assignments, students are given source materials for lost Shakespeare plays and are asked to invent scenes he might, if he was a contemporary, have written.

Note: Expected to be given in 2004–05.

English 124g. Shakespearean Genres

Catalog Number: 6690

John Parker

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Over the course of the term 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 125d. The Drama of Shakespeare’s Contemporaries

Catalog Number: 8953

John Parker

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

To focus on the sort of drama against which Shakespeare’s plays competed and by which they were influenced, with particular attention to the period’s sub-genres: revenge, tragedy, city comedy, and tragi-comedy. Authors may include Beaumont, Dekker, Kyd, Fletcher, Jonson, Marlowe, Marston, Middleton, Webster.

[English 127. Renaissance Narrative in Poetry and Prose]

Catalog Number: 4743

Gordon L. Teskey

Half course (spring term). Hours to be arranged.

A course on narrative fiction in the age of Shakespeare. We read mostly erotic narrative poems, including Shakespeare’s “Venus and Adonis,” Marlowe’s “Hero and Leander,” and Spenser’s “Legend of Chastity,” the third book of *The Faerie Queene*. Some brief examples of the early novel will also be read. We consider Renaissance anxieties about fiction—is it lying?—and the emergence of the concept of literature.

Note: Expected to be given in 2004–05.

English 129. Some Uses of Renaissance Pastoral

Catalog Number: 7676

Barbara K. Lewalski

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Shepherds, shepherdesses and other topics of the pastoral mode are everywhere in Early Modern literature, sometimes imagining Golden Age ideality but often figuring (according to contemporaries) persons and events too dangerous to treat directly. We examine the place and uses of pastoral in a number of genres: songs, eclogues, funeral elegy, romance, landscape poems, country-house poems, prose romance (Sidney’s *Arcadia*), epic (Spenser’s *Faerie Queene* VI; Milton’s *Eden*) and drama (Shakespeare’s *As You Like It*).

English 130. 17th-Century Poetry and Prose

Catalog Number: 4789

Barbara K. Lewalski

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Examines a wide range of poets and prose writers, men and women, in a cultural milieu (1600–1660) extraordinarily rich in literary achievement and intellectual ferment. Primary attention to four major poets ? Donne, Jonson, Herbert, and Marvell ? and to the development of genres (love poetry, religious meditation, essay, others) for analyzing the literary self.

[English 131. Milton: Major Poetry and Prose]

Catalog Number: 8005

Barbara K. Lewalski



Half course (spring term). Hours to be arranged.

A comprehensive study of Milton's career. We concentrate on his poetry (lyric, dramatic, and epic) but will also pay close attention to his major prose tracts. *Paradise Lost* will receive extended treatment.

Note: Expected to be given in 2004–05.

[English 132. Metaphysical Poetry]

Catalog Number: 0233

Gordon L. Teskey

Half course (fall term). Hours to be arranged.

A course on the major lyric poets of the seventeenth century, Donne, Jonson, Herbert, and Marvell. What is the relation between poetry and philosophy, between lyric expression and permanent order? In the seventeenth century, medieval notions of order gave way before the rise of science and of early modern philosophy. One result of these changes was the emergence of a new individualism in poetry.

Note: Expected to be given in 2004–05.

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, paintings, and engravings, magazine articles, and excerpts from literary and social theory. Issues include genre (what differentiates novels from epics, romances, newspapers, correspondences, biography, pornography?), modernity (what was novel about the novel?), gender, reading, and pleasure. Lecture-discussion format.

Note: Counts as pre-1800 credit.

English 146. Sex and Sensibility in the Enlightenment

Catalog Number: 9957

Lynn Mary Festa

Half course (fall term). M., W., at 11; W., at 3; W., at 4; Th., at 11; Th., at 2; Th., at 3; F., at 11. EXAM GROUP: 4

How Enlightenment theories of moral sensibility and physical susceptibility shaped categories of sex and gender. Topics include theories of sexual difference and sexual identity; the rise of the conjugal couple; libertine writings and the “invention of pornography.” Readings range from the scandalous Eliza Haywood to the respectable Samuel Richardson, from Cleland's *Memoirs of a Woman of Pleasure* to Austen's *Sense and Sensibility*, including conduct books, medical treatises and trial records.

Note: This course satisfies the English Department's pre-1800 requirement.

[English 149. Gothic]

Catalog Number: 7198

Ann Wierda Rowland

Half course (fall term). Hours to be arranged.

Why do we read and watch what terrifies us? What are the pleasures of fear? The Gothic



tradition provides the modern age with its most compelling images and most persistent architecture of fear. We explore and define the Gothic mode in British and American literature from its beginnings in the late eighteenth century to more recent twentieth-century texts in literature and film. Readings include: *The Monk*, *Jane Eyre*, *The Turn of the Screw*, *Dracula*, *Dr. Jekyll and Mr. Hyde*, *Rebecca*, *The Shining*, *Beloved*; films include: *Psycho* and *Memento*.
Note: Expected to be given in 2004–05.

[English 150. English Romantic Poets]

Catalog Number: 5274

James Engell

Half course (fall term). Hours to be arranged.

Readings in the poetry of Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, and others.

Note: Expected to be given in 2004–05. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 151. The 19th-Century Novel

Catalog Number: 8396

Leah Price

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

How and why the novel became the central genre of modern culture. Authors include Austen, Brontë, Dickens, Trollope, Eliot, Stoker, and Conan Doyle.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 158e. T.S. Eliot

Catalog Number: 7636

Peter Sacks

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Poetry, selected prose and dramatic writings by Eliot. From his adolescent *fin-de-siècle* lyrics, through his self-modernizing creation of Prufrock, followed by his epochal *The Waste Land*, and on into the post-conversion poetry of *Ash Wednesday* and *Four Quartets* ? we immerse ourselves in the intricacies and larger cultural and literary-historical features of Eliot's poetry. At the same time, we will read selections from his own critical writings, and from his verse plays.

English 160c. Modern British Fiction

Catalog Number: 7772

Peter C. Nohrnberg

Half course (spring term). M., W., at 12; F., at 12; F., at 12; W., at 3. EXAM GROUP: 5

A survey of major works of British fiction written in the first half of the twentieth-century by Kipling, Conrad, Forster, Ford, Woolf, Joyce, Butts, and Beckett, among others. Topics covered include: innovations in narrative form, the representation of individual consciousness and identity, responses to imperialism, the Great War, and the rise of feminism.

[English 161. American Modernism]

Catalog Number: 1143

Glenda R. Carpio



Half course (fall term). Hours to be arranged.

A survey of novels, plays and poetry produced by American writers in the first half of the twentieth century. We examine the works of expatriates, Hemingway, Fitzgerald, Stein, the poetry of Eliot, Pound, and Stevens, as well as the literature of the Harlem Renaissance (with particular attention to Hughes, Toomer, and Hurston). The focus is on the interaction between the texts and the various forms of visual arts that flourished contemporaneously.

Note: Expected to be given in 2004–05.

English 161m. 20th-Century Irish Literature

Catalog Number: 4874

Peter C. Nohrnberg

Half course (fall term). M., W., at 12. EXAM GROUP: 5

A survey of plays, poetry, essays and fiction written from the beginning of the Irish Revival to the time of the Troubles in Northern Ireland. Authors include Synge, Yeats, Lady Gregory, George Russell, Joyce, Beckett, O'Casey, Flann O'Brien, Friel, Trevor, and Heaney. Readings will focus on the preoccupation of these writers with Irish history, myth, and the literary construction of a national identity.

English 162c. Modern Drama

Catalog Number: 4717

Elizabeth D. Lyman

Half course (fall term). M., W., at 1. EXAM GROUP: 6

A survey course which examines landmark works from Ibsen to Kushner through a focus on generative cultural and stylistic moments (The Woman Question 1880-1900; The Theater of the Absurd 1950-60; The AIDS Crisis 1985-95, etc.). Plays are considered on their own merits and in terms of the broader movements they helped to define. Course includes introduction to terminology and conventions of the genre.

English 162m. Modernism as Theatre

Catalog Number: 8569

Daniel Albright

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Our theme is the evolution of the modern theatre - its distentions and constrictions, its imitations of modern life and withdrawals into abstraction, its hankerings for epic breadth and lyric intensity. We consider the theatre in the context of literature, music, visual arts, and theories of acting. Plays by Wilde, Yeats, Apollinaire, Eliot, Brecht, Stein, Beckett, and Stoppard; and performance exercises. Our final project realizes Artaud's project for The Conquest of Mexico.

English 164c. Literature and Visuality in America

Catalog Number: 2438

J. D. Connor

Half course (fall term). M., W., at 2. EXAM GROUP: 7

Shuttles back and forth between film and literature, looking at adaptation, movies about adaptation, the Hollywood novel (and memoir and poem), adaptations of Hollywood novel, etc. We aim for a better understanding of the uneven passage from the modern to the postmodern



along several axes: technological, formal, thematic and institutional. Authors range from Crane to Doctorow; films from *Manhatta* to *All the President's Men*.

[English 165. Joyce, Modernism, and Aestheticism]

Catalog Number: 1827

Philip J. Fisher

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2004–05. Graduate section offered.

English 165b. Conrad, Naipaul, Toni Morrison, J. M. Coetzee: 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, Naipaul, Morrison, and Coetzee have a particular relevance to contemporary discourses on global culture. For these writers, the experience of Empire was as much an ethical and aesthetic project as an economic or political venture. Our study focuses 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 166c. 20th-Century Fiction: World War II to the Present

Catalog Number: 5585

Leland P. Deladurantaye

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Examines a wide variety of narrative fiction from the second half of the 20th century. Special attention paid to stylistic questions of all sorts - from changing linguistic conventions to changing narrative ones, from the question of the role and value of imitation to the question of the role and value of innovation, from the image of the individual to the image of society. Readings include Nabokov, Naipaul, Ellison, Pynchon, Morrison, Mathews, Maxine Hong Kingston, Beckett, Sebald, Rushdie, Roth, DeLillo, and Calvino.

English 167p. Postcolonial Narratives

Catalog Number: 2511

Sharmila Sen

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

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.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.



English 168d. Postwar American and British Fiction

Catalog Number: 8250

James Wood

Half course (spring term). M., W., at 2. EXAM GROUP: 7

We examine a range of works, including novels and stories by Saul Bellow, Philip Roth, Raymond Carver, Henry Green, Muriel Spark, Ian McEwan, Penelope Fitzgerald, and Martin Amis. Our attempt will be to situate these books in their larger historical traditions, while emphasizing that we are reading a living literature. Some of the selected authors may themselves visit, and address our class.

[English 172. 19th-Century American Novel]

Catalog Number: 2706

John Stauffer

Half course (fall term). Hours to be arranged.

A study of the emergence of the novel in America as both a popular and literary genre from Crèvecoeur through Crane. Readings include Crèvecoeur, *Letters from an American Farmer*; Cooper, *The Last of the Mohicans*; Melville, *Moby-Dick*; Stowe, *Uncle Tom's Cabin*; Douglass, *Heroic Slave*; Alcott, *Little Women*; Twain, *The Adventures of Huckleberry Finn*; Howells, *The Rise of Silas Lapham*; Crane, *The Red Badge of Courage*; Jewett, *The Country of the Pointed Firs*; Chesnutt, *The Marrow of Tradition*.

Note: Expected to be given in 2004–05.

English 173. Six Post-War Poets

Catalog Number: 3651

Helen Vendler

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Lowell, Berryman, Bishop, Plath, Bidart, and Graham. Topics: the Freudian lyric; colloquiality; the uses of myth; the lyric aria; gender in the lyric; open and closed form; intimacy and estrangement.

[English 175. American Literary Emergence]

Catalog Number: 3894

Lawrence Buell

Half course (spring 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, Stoddard).

Note: Expected to be given in 2005–06. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

[English 176a. American Protest Literature]

Catalog Number: 4234

John Stauffer

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

[English 178x. The American Novel from Dreiser to the end of the Century]

Catalog Number: 2168

Philip J. Fisher

Half course (spring term). Hours to be arranged. .

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: Expected to be given in 2004–05. Graduate section offered.

English 179j. Alice, Henry, and William James

Catalog Number: 4597

Louis Menand

Half course (spring term). M., W., at 11. EXAM GROUP: 4

The writings of the Jameses as a window on the social, intellectual, and literary worlds of their time. Henry James, *The American*, *The Europeans*, *Portrait of a Lady*, *The Bostonians*, short stories of the 1890s, *The Ambassadors*, *The Wings of the Dove*, *The Golden Bowl*; William James, selections from *The Principles of Psychology*, *The Varieties of Religious Experience*, *Pragmatism*; Alice James, diaries and letters.

[English 184. Fundamentals of Lyric Poetry]

Catalog Number: 8147

Peter Sacks

Half course (fall term). Hours to be arranged.

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*.

Note: Expected to be given in 2004–05.

English 185. Wit and Humor

Catalog Number: 3941

Leo Damrosch

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Emphasizing wit and humor rather than “comedy” as classically understood, the course considers selected texts and films (for example, Mark Twain, P.G. Wodehouse, Dave Barry, *Dr. Strangelove*, *Annie Hall*, *Monty Python*), in the light of theoretical studies 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.

[*English 186c (formerly *English 90tc). On Reading Poetry]

Catalog Number: 5289

Jorie Graham

Half course (fall term). Hours to be arranged.

Explores what work poems undertake and what work they therefore ask of the reader. We examine one primary poem (by a different poet) each week. Two short papers and some supplementary reading required.

Note: Expected to be given in 2004–05.

English 187d. American Literatures in Languages Other than English

Catalog Number: 4323

Marc Shell

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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 189. The Novella

Catalog Number: 4246

John M. Picker

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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 British and American texts from the last two centuries 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 2004–05. Graduate section offered.



English 191. Theories of the Theater

Catalog Number: 1373

Elizabeth D. Lyman

Half course (spring term). M., W., at 1. EXAM GROUP: 6

Aristotle to Judith Butler. A multi-period survey of influential theories which have shaped and probed theater writing and performance in the West. The first half of the course is devoted to theories and representative plays prior to 1900; the second half is devoted to theories and representative plays of the twentieth century. No previous coursework in theater or theory is assumed.

English 192p. Postmodern Literature

Catalog Number: 5249

Glenda R. Carpio

Half course (spring term). Tu., Th., at 3. EXAM GROUP: 17

Discusses novels classified by the term “postmodern” and investigates what ideological and stylistic qualities such novels share. Questions how and why writers like Barth, DeLillo, Pynchon, and Reed challenge modernist aesthetics. In what ways does their stylistic experimentation respond to and critique our modes of being and thinking? How is it connected to historical events and technological advancements? In what ways does postmodernist literature renew and transform older forms of literary expression? Readings include *Gravity’s Rainbow* and *Underworld*.

English 198. Imagination and the Archive

Catalog Number: 5217

Amitav Ghosh (Queens College, City University of New York)

Half course (spring term). Tu., 2–5. EXAM GROUP: 16, 17, 18

Interdisciplinary lecture-workshop focusing on six themes, each organized around a specific set of literary and archival materials: point of view, background, the historical moment, detail, character, and narrative continuity. Case studies range from an American murder story of 1906 to novelistic recreation of history to fictitious archives of Borges and others.

English 199t. Animals That Talk

Catalog Number: 7511 Enrollment: Limited to 18.

Marc Shell

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Who speaks for those who do not speak? This seminar on animal ventriloquism focuses on literary works where animals talk like human beings (Brer Rabbit, Porky Pig) or speak with humans (Poe’s raven, Balaam’s ass). We consider works where human beings talk like animals or speak with animals (Dr. Doolittle, King Solomon) or think that’s what they do. Texts include cartoons (Bugs Bunny), plays with animal disguises (*Midsummer Night’s Dream*), folktales with animal metamorphoses, and Lewis Carroll’s *Alice in Wonderland*.

Other Courses Offered by Members of the English Department

Afro-American Studies 131. African-American Literature to the 1920s

Afro-American Studies 138z. Interracial Literature



Afro-American Studies 192. Black Women Writers: from Harriet E. Wilson to Toni Morrison

***Comparative Literature 172 (formerly *Comparative Literature 269). Paralysis**

[Comparative Literature 174. American Babel]

[*Comparative Literature 227. Fictions of Kin and Kind in the Renaissance: Seminar]

[Comparative Literature 278. Moses and Multiculturalism]

[*Comparative Literature 283. Language War: Seminar]

***Comparative Literature 299ar. Literary Theory: Proseminar**

***Folklore and Mythology 90a. Studies in Mythology: Seminar**

***Freshman Seminar 35g. Jean-Jacques Rousseau**

***Freshman Seminar 35n. American Literature in English and Other Languages**

***Freshman Seminar 35o. The Poetry of John Keats**

***Freshman Seminar 35z. The Novel and Its Media, From *Don Quixote* to the Internet**

[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-58. Ethnicity, Modernity, and Modernism in 20th-Century

Literature, Art, and Culture

Literature and Arts A-64. American Literature and the American Environment

Literature and Arts A-72. The Enlightenment Invention of the Modern Self

Literature and Arts C-56. Putting Modernism Together

Visual and Environmental Studies 171x. Cinema of the Sound Era

***Visual and Environmental Studies 195. The Contemporary Hollywood Cinema**

Primarily for Graduates

***English 205. Community and Agency in Middle English Literature: Graduate Seminar**

Catalog Number: 4658

Nicholas Watson

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Investigates late-medieval literature's fascination with religious, political, and social communities, and the portrayal of individual agents within, against, or as representatives of those communities. Authors include Chaucer, Langland, the Gawain-Poet, Mandeville, and Margery Kempe.

***English 221. The Secularization of English Drama (900-1642): Graduate Seminar**

Catalog Number: 2395

John Parker

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

To cover three main areas: philosophies of secularization (Dialectic of Enlightenment, Legitimacy of the Modern Age); current scholarly debates over the secularization of English drama; and play texts themselves, from medieval to Renaissance.

***English 228y. Milton and His Contemporaries: Literature and Politics in the Era of the English Revolution (1629-1674). Graduate Seminar**



Catalog Number: 1277

Barbara K. Lewalski

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Milton's poetry and prose, examined in relation to other texts that refract the experience and culture of the period: e.g., the poetry of Vaughan, Herrick, the Cavaliers, and Marvell; histories, sermons, political tracts, autobiography, biography.

[*English 229s. Spenser: Graduate Seminar]

Catalog Number: 1130

Gordon L. Teskey

Half course (spring term). Hours to be arranged.

An introduction to Spenser's poetry, concentrating on *The Faerie Queene*. We discuss such problems as the theory of allegory and the relation between Spenser's poetry and English romanticism.

Note: Expected to be given in 2004–05.

[*English 240. Poetry, Politics, and Prophecy: Graduate Seminar]

Catalog Number: 6188

James Engell

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2004–05. Open to qualified undergraduates.

***English 241. The 18th-Century Novel**

Catalog Number: 2896

Lynn Mary Festa

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The eighteenth-century novel – Behn, Defoe, Richardson, Fielding, Sterne, Austen – with particular attention to theories of the novel as a genre, its origins, and narratives of its rise.

***English 251. Comparative Romantic Theory: Graduate Seminar**

Catalog Number: 5675

James Engell

Half course (fall term). W., 11–1. EXAM GROUP: 4, 5

Key romantic topics that remain relevant to literature and art ? e.g., symbol, language, aesthetics, nature ("green" romanticism), history, irony, gender. Coleridge, Wordsworth, Shelley, Kant, Schelling, Schiller, Emerson, possibly Fuller, and Poe; others and recent critics as well.

***English 256n. The Victorian Novel: Graduate Seminar**

Catalog Number: 4996

Leah Price

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

The theory and practice of the Victorian novel. Fiction by Brontë, Gaskell, Dickens, Collins, Eliot, and James, read against Victorian criticism and modern theories of the novel.



***English 257. Victorian Poetry and Optical Culture: Lenses, Mirrors, Light: Graduate Seminar**

Catalog Number: 6170

Isobel Armstrong

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Explores the response of nineteenth-century poets, male and female, to a culture saturated with scopic experience, whether the telescope and microscope of high research, or optical toys - the kaleidoscope, the magic lantern, the stereoscope. We aim to evolve a poetics of glass.

Note: One long paper required.

[*English 264x. Sensation and Moral Action in Thomas Hardy]

Catalog Number: 2714

Elaine Scarry

Half course (spring term). Hours to be arranged.

Hardy's novels, stories, and narrative poems will be approached through the language of the senses (hearing, vision, touch) and through moral agency (philosophic essays on "luck" and "action").

Note: Expected to be given in 2004–05. Open to upper-level undergraduates with permission of instructor.

***English 271. Poetry in America: Graduate Seminar**

Catalog Number: 3659

Elisa New

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Exploring the relationship between poems and their contexts, we survey a range of historical, cultural and critical contexts fruitfully engaged by critics of the American poem – as well as some critical and ideological implications.

[*English 276x (formerly *English 90vl). African-American Literary Tradition: Graduate Seminar]

Catalog Number: 3536

Henry Louis Gates, Jr.

Half course (spring term). Hours to be arranged.

An exploration of 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.

Note: Expected to be given in 2004–05.

***English 278. Art and Thought of the Cold War, 1945-1965: Graduate Seminar**

Catalog Number: 8167

Louis Menand

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Literature, art, and film of the cold war, in the context of political events and intellectual developments. Writers and movements include Orwell, Kerouac, Mailer, Lessing, Achebe, Updike, Abstract Expressionism, film noir, and the New Wave.



***English 283. Describing the Lyric**

Catalog Number: 1319

Helen Vendler

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Each change in period style presents a problem of description to the critic. We consider a wide range of poetic styles, from the court styles of Elizabethan poetry through the aleatory styles of such contemporary poets as Ammons, Ashbery, and Graham, inquiring in each case which avenues of description prove productive.

***English 286. Early Postmodernism: Beckett and Auden: Graduate Seminar**

Catalog Number: 5651

Daniel Albright

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Austere Beckett and gregarious Auden seem dissimilar, but these two writers, born one year apart, cooperated on an assault against High Modernism. We'll study these assailants in a rich context: Joyce, Van Velde, Stravinsky, etc.

***English 292. Issues in the Study of American Literature: Graduate Seminar**

Catalog Number: 1618

Werner Sollors

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

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 294z. On Beauty: Graduate Seminar]

Catalog Number: 7277

Elaine Scarry

Half course (fall term). Hours to be arranged.

Philosophic and literary accounts of beauty from Greek through modern, including Plato, Aquinas, Dante, Kant, Keats, and Rilke. In addition, the major arguments against beauty; and its stability across four objects (God, gardens, persons, and poems).

Note: Expected to be given in 2004–05.

***English 296. Descriptive and Analytical Bibliography: Seminar**

Catalog Number: 7102

Roger E. Stoddard

Half course (spring 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 (fall term). Th., 3–5. EXAM GROUP: 17, 18

Interactions between concepts central to literary theory - *genre* and 'textuality', writing and



‘difference’, ethics and interpretation, narrative and cultural translation - and literature embodying such concerns. Barthes, Habermas, Derrida, Lacan, Carey, Forster, Ghosh, Morrison, Rushdie, others.

Graduate Courses of Reading and Research

***English 300hf. Old and Middle English: Doctoral Conference**

Catalog Number: 2334

Daniel G. Donoghue 1469 (on leave spring term), Joseph C. Harris 1089, and Nicholas Watson 3851

Half course (throughout the year). Th., 4:30–6.

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 (on leave fall term), Barbara K. Lewalski 7450, John Parker 3729, and Gordon L. Teskey 4466 (on leave 2003-04)

Half course (throughout the year). Alternate W., at 4:15.

The Conference focuses upon theses in progress and other research topics of mutual interest.

Note: Limited to faculty members teaching or conducting research in Renaissance literary studies and to graduate students working in this field who have completed required course work for the Master’s degree. 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 (on leave spring term), Lynn Mary Festa 2331, 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

Robert J. Kiely 1621 (on leave spring term) and Philip J. Fisher 1470 (on leave 2003-04)

The Conference focuses on theses in progress and other research topics of mutual concern.

Note: Limited to faculty members teaching or conducting research in 19th- and 20th-century British and American fiction and to graduate students working in the field. Enrollment is open to all such students, and is required of those who have been admitted to candidacy for the PhD and who intend to work in the field.



***English 306hf. 19th- and 20th-Century British Literature: Doctoral Conference**

Catalog Number: 5268

Robert J. Kiely 1621 (on leave spring term), Erik Irving Gray 3726 (on leave 2003-04) (spring term only), Leah Price 3501, and Ann Wierda Rowland 2582 (on leave 2003-04)
Half course (throughout the year). Hours to be arranged.

***English 308hf. Drama: Doctoral Conference**

Catalog Number: 6909

Elaine Scarry 2206 (on leave 2003-04) and Marjorie Garber 7264
Half course (throughout the year). Hours to be arranged.

Focuses on research topics related to dramatic literature, theatre, and performance. Open to all faculty members and graduate students teaching or conducting research in the field.

***English 310hfr. American Literature and Culture: Doctoral Conference**

Catalog Number: 6235

Lawrence Buell 2655, Elisa New 2428 (on leave fall term), and Werner Sollors 7424
Half course (throughout the year). W., 3–5.

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 314hf. 20th-Century Literature and Cultural Theory: Doctoral Conference**

Catalog Number: 1410

Homi K. Bhabha 4100, Barbara E. Johnson 7626 (on leave 2003-04), and Sharmila Sen 2509 (on leave spring term)
Half course (throughout the year). Hours to be arranged.

Topics include African-American literature, contemporary literature, drama, film and/or performance, modernism, literary and cultural theory, postcolonial studies, and postmodernism. Work in progress, as well as dissertation chapters and potential articles and conference papers, encouraged.

Note: Open to all graduate students and faculty working in 20th-century literature and cultural theory.

***English 350 (formerly *English 311). The Profession of English: Teaching, Writing, Research**

Catalog Number: 8208

Marjorie Garber 7264, and staff
Half course (fall term). M., 2–4.

The intellectual life of the profession, including the history, theory, and present scope of the discipline. Considers issues of teaching, course proposals and syllabuses, field exams, the prospectus, conferences, publication, and the job market.

Note: Open to all English graduate students and required of all third-year graduate students.

***English 397. Directed Study**

Catalog Number: 6588

Members of the Department



***English 398. Direction of Doctoral Dissertations**

Catalog Number: 5968

Daniel Albright 4615, Homi K. Bhabha 4100, Lawrence Buell 2655, Glenda R. Carpio 4408 (on leave spring term), Leo Damrosch 2200, Leland P. Deladurantaye 4457 (on leave spring term), Daniel G. Donoghue 1469 (on leave spring term), James Engell 8076 (on leave spring term), Lynn Mary Festa 2331, Philip J. Fisher 1470 (on leave 2003-04), Marjorie Garber 7264, Henry Louis Gates, Jr. 2899 (on leave 2003-04), Jorie Graham 2358 (on leave fall term), Stephen J. Greenblatt 3436 (on leave fall term), Joseph C. Harris 1089, Barbara E. Johnson 7626 (on leave 2003-04), Robert J. Kiely 1621 (on leave spring term), Barbara K. Lewalski 7450, Elizabeth D. Lyman 4433, Louis Menand 4752 (on leave fall term), Elisa New 2428 (on leave fall term), Peter C. Nohrberg 4726, John Parker 3729, John M. Picker 3728 (on leave fall term), Leah Price 3501, Peter Sacks 2161 (on leave fall term), Elaine Scarry 2206 (on leave 2003-04), Sharmila Sen 2509 (on leave spring term), Marc Shell 3176, Michael Shinagel 7659, William James Simpson 4791 (on leave spring term), Werner Sollors 7424, John Stauffer 1006 (on leave 2003-04), Gordon L. Teskey 4466 (on leave 2003-04), Helen Vendler 7226, Nicholas Watson 3851, and Ann Wierda Rowland 2582 (on leave 2003-04)

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

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Conducted through regular conferences and assigned writing. Limited to students reading specifically on topics not covered in regular courses. Open only by petition to the Department; petitions should be presented during the term preceding enrollment, and must be signed by the instructor with whom the reading is to be done. All applicants for admission should first confer with the Director of Graduate Studies.

Environmental Science and Public Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Environmental Science and Public Policy

James J. McCarthy, Alexander Agassiz Professor of Biological Oceanography in the Museum of Comparative Zoology (*Chair, Head Tutor*)

William C. Clark, Sidney Harman Professor of International Science, Public Policy, and Human



Development (*Kennedy School*)

Richard T. T. Forman, Professor of Advanced Environmental Studies in the Field of Landscape Ecology (*Design School*)

Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy

N. Michele Holbrook, Charles Bullard Professor of Forestry (*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 (*on leave spring term*)

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave fall term*)

Daniel P. Schrag, Professor of Earth and Planetary Sciences

John H. Shaw, Harry C. Dudley Professor of Structural and Economic Geology (*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

David Cash, Lecturer on Environmental Science and Public Policy

Cornelia Dean, Lecturer on Environmental Science and Public Policy

Henry Ehrenreich, Clowes Research Professor of Science

Paul R. Epstein, Lecturer on Environmental Science and Public Policy

Richard Frankham, Lecturer on Environmental Science and Public Policy

James S. Hoyte, Lecturer on Environmental Science and Public Policy

The Environmental Science and Public Policy concentration is overseen by a Standing Committee functioning as a Board of Tutors including representatives from 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. Introduction to Environmental Science and Public Policy

Catalog Number: 6383

David Cash, William C. Clark (*Kennedy School*), and Daniel P. Schrag

Half course (spring term). M., W., 1–2:30; F., 1–2:30; Th., 7–8:30 p.m. EXAM GROUP: 6, 7

Headlines announce environmental degradation from local places, “Pesticides Pollute Wells”, to the entire globe, “World’s Warmest Year”. Strategies for addressing these problems are urgently



at the center of science and policy debates from local to international levels. This course provides a dynamic and interdisciplinary exploration of such debates through in-depth case studies. As such, it seeks to foster critical thinking about how to analyze and address human-environment interactions characterized by complexity, conflict, and contested knowledge.

Note: Intended for interested students from all concentrations.

Environmental Science and Public Policy 78. Environmental Politics

Catalog Number: 3613

Sheila S. Jasanoff (Kennedy School, Public Health)

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.

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

Half course (fall term). Hours to be arranged.

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 explores scientific, diplomatic, and public communication methods driving the global climate change debate.

Note: Expected to be given in 2004–05.

***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). M., 4–6. EXAM GROUP: 9

Examines the influences of race, socioeconomic status, and interest group politics in the formulation and implementation of US federal and state environmental policy. Topics include the civil rights struggle and the environmental justice movement, role of race in environmental policymaking, residential and occupational exposure patterns of environmental pollution, racial diversity in the environmental movement, socioeconomic factors shaping the research agenda for environmental affairs, facilities siting and community impacts, and lead contamination as an environmental justice issue.

Note: Offered jointly with the Kennedy School as ENR-205.

***Environmental Science and Public Policy 90e. Conservation Genetics**

Catalog Number: 6879

Richard Frankham

Half course (spring term). Th., 2–5. EXAM GROUP: 16, 17, 18

The biological diversity of the planet is rapidly being depleted by human actions that reduce species to sizes where they become susceptible to extinction due to chance effects (environmental, demographic and genetic stochasticity). Concerned with the use of genetics to minimize extinction risk. Deals with the extent of genetic diversity, the forces affecting it, and the effects of population size reduction on genetic diversity and reproductive fitness.

Note: Local field trips within New England to be arranged.

***Environmental Science and Public Policy 90f. Global Change and Human Health**

Catalog Number: 4434

James J. McCarthy and Paul R. Epstein

Half course (spring term). W., 2:30–5. EXAM GROUP: 7, 8

Global consequences of increasing human population and our consumption of natural resources include extensive changes in many natural ecosystems and in the composition of Earth's atmosphere. In the last decade, geographic ranges of certain well known infectious diseases have expanded and new diseases have become threats to human health. This seminar explores hypothesized linkages between changes in ecosystems, climate, and the epidemiology of certain infectious diseases.

[*Environmental Science and Public Policy 90h. Alternative Energy Potential]

Catalog Number: 2284

Henry Ehrenreich

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

[*Environmental Science and Public Policy 90i. What Causes Environmental Degradation?]

Catalog Number: 9228

John P. Holdren (Kennedy School) and Daniel P. Schrag

Half course (spring term). Hours to be arranged.

Using a series of examples of major environmental concerns, we explore what are both the proximal and underlying causes of environmental degradation. For example, to understand what is driving global climate change, we examine contributing effects of energy use, overpopulation, inefficient technology, styles of land use, and industrialization. We use the analysis to discuss various approaches to adaptation and mitigation of these problems.

Note: Expected to be given in 2004–05.

Environmental Science and Public Policy 90m. Technological Approaches to Mitigation of Climate Change

Catalog Number: 0545

Daniel P. Schrag and James J. McCarthy

Half course (fall term). W., 2–5. EXAM GROUP: 7, 8

A variety of technological approaches have been proposed to mitigate the risks posed by human-induced climate change. Prominent among these are carbon sequestration mechanisms. In addition, the hydrogen fuel cell might replace fossil fuels in distributed energy generation. In this seminar, we explore these emerging technologies and consider the technological limitations, the geological and ecological consequences, and the political and economic implications.

Environmental Science and Public Policy 90n. Science Fictions: The Misuse of Scientific Information in American Public Life

Catalog Number: 1803

Cornelia Dean

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

Examines the way political, economic or other imperatives skew the debate on public issues in which science plays an important part. We concentrate on environmental questions such as: climate change, coastal resources, fisheries, water supply, wildfires, agriculture and the food supply, and air pollution. The seminar also deals with risk perception, NGOs and advocacy groups and their agendas and, in particular, failures of communicating complicated scientific issues -- failures on the part of scientists and the journalists who write about them.

***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.

Ethnic Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Ethnic Studies

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies (*Chair*)

Prudence L. Carter, Assistant Professor of Sociology

Eileen Cheng-yin Chow, Assistant Professor of Chinese Literary and Cultural Studies

Kimberly McClain DaCosta, Assistant Professor of African and African American Studies and of Social Studies

Drew Gilpin Faust, Lincoln Professor of History and Dean of the Radcliffe Institute for Advanced Study

Deborah D. Foster, Senior Lecturer on Folklore and Mythology

William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment (*on leave spring term*)

Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government (*on leave 2003-04*)

Michèle Lamont, Professor of Sociology (*on leave spring term*)

Susan W. Lewis, Director of the Core Program

J. Lorand Matory, Professor of Anthropology and of African and African American Studies

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies (*on leave 2003-04*)



The Committee on Ethnic Studies is an Interdisciplinary Coordinating Committee constituted of faculty members from across the disciplines appointed to encourage and promote course offerings on ethnicity in the United States. Ethnic studies might briefly be described as the study of aspects of collective identity shaped by factors ranging from descent to affinity. The field has emerged from and continues to flourish within individual departments as well as across disciplinary boundaries. Methodologies for the study of ethnicity vary, as does subject matter, which ranges from expressive culture to social organization, but scholars in ethnic studies share the challenge of studying intensely heterogeneous populations and materials. American ethnic communities have provided an important focus as well as particularly rich units of study for scholars of ethnicity, giving rise to many of the foundational works in the field. At the same time, both research and pedagogy in ethnic studies is often international and comparative in its purview due to the interaction between and among communities within individual locales as well as the global flow of people in diaspora. Ethnic studies have further given rise to a lively and growing body of theoretical work, sparked in part by the necessity to document and interpret the redefinition of identity through on-going processes shaped both by descent and consent.

The Committee on Ethnic Studies oversees the disposition of two FTE's annually to bring to campus visitors who offer courses in Native American, US Latino, and Asian American Studies. Past course offerings have spanned such topics as Native American Art and Architecture, Asian American Literature, Spanish Caribbean Music, Comparative Urban Latino Politics, and the relationship among Native Americans, Hispanos, and Anglos in the American Southwest.

To see additional committee activities, please see the website.

The Committee does not offer an undergraduate concentration or an advanced degree. However, concentrations focusing on topics relating to ethnic studies can be undertaken through many departments, as well as within programs such as Social Studies, History and Literature, Folklore and Mythology, and Special Concentrations.

The Committee on Ethnic Studies is housed in the Office of the Dean of Harvard College.

Core Courses in Ethnic Studies

[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations](#)

[\[Foreign Cultures 48. The Cultural Revolution\]](#)

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam](#)

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies](#)

[Foreign Cultures 74. Cultures of Southern Europe](#)

[Foreign Cultures 80. Korean Cultural Identities](#)

[\[Foreign Cultures 82. Modern Arabic Narratives: Self, Society, and Culture\]](#)

[Historical Study A-12. International Conflict and Cooperation in the Modern World](#)

[Historical Study A-14. Japan: Tradition and Transformation](#)

[Historical Study A-16. The Making of Modern South Asia](#)

[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions](#)



[Historical Study A-53. The Chinese Revolutionary Tradition]

[Historical Study A-67. Gendered Communities: Women, Islam, and Nationalism in the Middle East and North Africa](#)

[Historical Study A-74. Contemporary China: The People's Republic and Taiwan in the Modern World]

[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](#)

[Historical Study B-67. Japan's Modern Revolution](#)

[Literature and Arts A-48. Modern Jewish Literature](#)

[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 B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue](#)

[Social Analysis 54. American Society and Public Policy](#)

[Social Analysis 66. Race, Ethnicity, and Politics in the United States]

[Social Analysis 68. Race, Class, and Poverty in Urban America](#)

Courses with a Primary Focus on Ethnicity in the United States

[Afro-American Studies 143. African-Americans and a New Racial Divide]

[Afro-American Studies 191. The Civil Rights Movement: Seminar](#)

[Afro-American Studies 196z. Race, Segregation, and Inequality]

[General Education 175. Native Americans in the 21st Century: Nation-Building I](#)

[*Government 2140. Identity in History and Politics]

[History 1612. African Diaspora in the Americas](#)

[History 1621. Racial Politics in American Nations: Conference Course](#)

[*History 1635. Race and Race Relations Since Plessy: Conference Course](#)

[History 1642b. Gender, Sexuality, and Women in the 20th-Century US: Conference Course](#)

[*History 1645. History of American Immigration: Conference Course](#)

[History 2664. Race and African-American Intellectual History: Seminar](#)

[*Psychology 1570. The Nature of Prejudice](#)

[Sociology 60. Race and Ethnic Relations]

[*Sociology 96. Individual Community Research Internship](#)

[Sociology 166. Poverty, Public Policy, and Controversy]

[Sociology 177. American Indians in Comparative/Historical Perspective](#)

[Sociology 178. American Indians in Contemporary Society](#)

[*Sociology 221. Immigration, Identity and Assimilation: Seminar]

[Sociology 248. Race, Politics, and Social Inequality: Seminar](#)

[*Sociology 249. "Race," Culture and Social Structure: Seminar]

[*Sociology 300. Workshop on Race/Ethnicity, Culture and Social Structure]

[Spanish 268. A Rhetoric of Particularism](#)

Courses Related to Ethnicity and the United States



[*Afro-American Studies 97b. Topics in Afro-American History and Society](#)
[Afro-American Studies 118. African-American History from the Slave Trade to 1900](#)
[Afro-American Studies 126. Philosophical Perspectives on Race and Racism](#)
[\[Afro-American Studies 127. Marxist Theories of Racism\]](#)
[Afro-American Studies 131. African-American Literature to the 1920s](#)
[Afro-American Studies 138z. Interracial Literature](#)
[\[Afro-American Studies 141. Afro-Atlantic Religions\]](#)
[\[Anthropology 153. Nationalism and Bureaucracy \]](#)
[Anthropology 157. Muslims in Multicultural America](#)
[Anthropology 184. Ethnicity in the Americas: The Indian Question](#)
[Anthropology 210. Anthropology of Events](#)
[Anthropology 289. Ethnographics of 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 1915](#)
[\[Government 90q. US-Latin American Relations\]](#)
[*Government 1582. Who Are We? Issues of American National Identity](#)
[\[*Government 2140. Identity in History and Politics\]](#)
[\[Government 2900. US-Latin American Relations\]](#)
[\[History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Conference Course\]](#)
[History 1613. Readings in North American Borderlands: Conference Course](#)
[History 1690 \(formerly History 1958\). The US and Imperialism: Conference Course](#)
[History of Art and Architecture 19x. Introduction to African American Art History](#)
[History of Art and Architecture 172w. American Art and Modernity, 1865-1965](#)
[Music 208r. Ethnomusicology: Seminar](#)
[Religion 1530r. Religious Values and Cultural Conflict](#)
[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](#)
[Visual and Environmental Studies 186x. Asian-American Cinema: Configurations of Culture and Identity](#)
[Visual and Environmental Studies 189r. \(Trans\)Cultural Cinema: Aesthetics, Ideology, and Cultural Difference in Nonfiction Filmmaking](#)
[Women's Studies 1001 \(formerly Women's Studies 110b\). Current Problems in Feminist Theory](#)
[Women's Studies 1101 \(formerly Women's Studies 110c\). Borders and Betrayals: Engendering Cultural Identities](#)
[\[Women's Studies 1102 \(formerly Women's Studies 101r\). Money Changes Everything: Gender and Globalization\]](#)
[\[Women's Studies 1201 \(formerly Women's Studies 110a\). Bodies and Boundaries: Conference Course\]](#)



Courses Related to Ethnicity outside the United States

[*Afro-American Studies 97b. Topics in Afro-American History and Society](#)

[Afro-American Studies 141. Afro-Atlantic Religions]

[Anthropology 153. Nationalism and Bureaucracy]

[Anthropology 155. Anthropology of Islam in Comparative Perspective](#)

[Anthropology 184. Ethnicity in the Americas: The Indian Question](#)

[Anthropology 210. Anthropology of Events](#)

[Anthropology 263. Globalization and Culture]

[Anthropology 277. Development Dilemmas]

[Anthropology 289. Ethnographics of Violence](#)

[Catalan Ba \(formerly Catalan Aa\). Introduction to Catalan](#)

[*Catalan 91r. Supervised Reading and Research](#)

[Chinese Literature 132. Chinatowns](#)

[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 276x (formerly *English 90vl). African-American Literary Tradition: Graduate Seminar]

[Folklore and Mythology 90b \(formerly Folklore and Mythology 115\). The African Oral Narrative Tradition: Seminar](#)

[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 and Literature](#)

[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 1295. Comparative Politics in Latin America](#)

[Government 1760. International Relations of East Asia]

[Government 2148. Civil Society, West and East]

[Government 2900. US-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](#)

[History 1439. India and the British Empire in the 18th Century: Conference Course](#)

[History 1483. French Colonial Encounters: 1870's to Present: 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. The History of Latin America, 1914-2004](#)

[History 1844. Governing Indigenous Australians](#)

[History 1845. Australian Indigenous Autobiography: Conference Course](#)

[History 1854. Gender and Japanese History: Conference Course](#)

[History 1897. Nation, Reason and Religion in South Asia](#)



[History 1907. West Africa from 1800 to the Present](#)
[History 1908. Rethinking Gender in African History: Conference Course](#)
 [History 1955. Comparative Labor History: Conference Course]
[*History 2781. Modern Mexican History: Seminar](#)
[History of Art and Architecture 19y \(formerly History of Art and Architecture 19\).](#)
[Introduction to the Art of Africa](#)
[History of Art and Architecture 191x. Manuscripts in Colonial Peru and Mexico](#)
[History of Art and Architecture 193. Painting Traditions in Africa](#)
[History of Art and Architecture 294. Cuzco, 1650-1700](#)
 [Indian Studies 117 (formerly *Indian Studies 216). Early History of South Asia]
 [Indian Studies 205a. South Asia as Understood Through Its Regions I: Seminar]
 [Indian Studies 205b. South Asia as Understood Through Its Regions II: Seminar]
 [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](#)
 [*Music 178r. Performing Music]
[*Music 190r \(formerly *Music 190r\). Topics in World Music: Proseminar](#)
[Music 193r. Topics in Music from 1800 to the Present: Proseminar](#)
[Music 194r. Special Topics: Proseminar](#)
 [Music 206r. Research Methods in Ethnomusicology: Musical Ethnography]
[Music 207r. Ethnomusicology: Seminar](#)
[Music 208r. Ethnomusicology: Seminar](#)
 [Music 209r. Ethnomusicology: Seminar]
[Music 270r. Special Topics](#)
[Portuguese 37. Brasil hoje: Contemporary Brazilian Culture through Media](#)
[Portuguese 38. Images of Brazil: Contemporary Brazilian Cinema](#)
[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]
 [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 1650. Modern Hindu Movements: Seminar]
[Religion 1700. Introduction to Buddhism, in Theory and Practice](#)
 [Religion 2040. Religion and Human Rights]
[Religion 2042. Religion, Nationalism, and Peace](#)
[Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course](#)
[Sociology 182. Race & Ethnic Relations: Conference Course](#)
[Spanish 35. Upper-Level Spanish I: Cuatro países latinoamericanos](#)
[Spanish 48. Perspectives on Mexico](#)
[Spanish 71a. Demons, Pirates, and Saints: Survey on Colonial Spanish American Literature](#)
[Spanish 71b. From Modernism On: Survey of Nineteenth- and Twentieth-Century Latin](#)



[American Literature](#)

[Spanish 186. Tobacco and Sugar](#)

[Spanish 201. The History of the Spanish Language]

[Spanish 287r. Spanish Literature: Seminar]

[Spanish 295r. The Life and Works of El Inca Garcilaso de la Vega: Seminar](#)

[Women's Studies 1001 \(formerly Women's Studies 110b\). Current Problems in Feminist Theory](#)

[Women's Studies 1101 \(formerly Women's Studies 110c\). Borders and Betrayals:](#)

[Engendering Cultural Identities](#)

[Women's Studies 1102 (formerly Women's Studies 101r). Money Changes Everything: Gender and Globalization]

[Women's Studies 1201 (formerly Women's Studies 110a). Bodies and Boundaries: Conference Course]

[Women's Studies 1202 \(formerly Women's Studies 134\). Women's Writing and Film in Latin America and the Caribbean](#)

[Yiddish 102r. Modern Yiddish Literature I]

[Yiddish 103r. Modern Yiddish Literature II](#)

[Yiddish 105. Yiddish Language and Linguistic Theory]

[Yiddish 108. American Jewish Literature: At the Center or the Margins?]

European Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on European Studies

Peter A. Hall, Harvard College Professor and Krupp Foundation Professor of European Studies
(Chair) (on leave 2003-04)

David Blackbourn, Coolidge Professor of History (Acting Chair)

Peter J. Burgard, Professor of German

Pepper Dagenhart Culpepper, Associate Professor of Public Policy (Kennedy School)

Grzegorz Ekiert, Professor of Government

Peter E. Gordon, Assistant Professor of History and of Social Studies

Patrice Higonnet, Robert Walton Goelet Professor of French History (on leave spring term)

Stanley Hoffmann, Paul and Catherine Battenwieser University Professor

Torben Iversen, Professor of Government

Charles S. Maier, Leverett Saltonstall Professor of History (on leave fall term)

Andrew Moravcsik, Professor of Government (on leave fall term)

Susan Pedersen, Professor of History (on leave 2003-04)



Paul Pierson, Harold Hitchings Burbank Professor of Political Economy (*on leave spring term*)
Cindy Skach, Assistant Professor of Government
Theda Skocpol, Victor S. Thomas Professor of Government and Sociology (*on leave fall term*)
Judith Surkis, Assistant Professor of History and of History and Literature (*on leave 2003-04*)
Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History
T. Robert Travers, Assistant Professor of History

The Standing Committee on European Studies is the formal oversight body for the Minda de Gunzburg Center for European Studies. It is comprised of those permanent faculty members who have offices in the Center and selected other representatives of FAS and of other universities in the Boston area who remain active in the study and teaching of modern Europe.

For over thirty years, the Center for European Studies has offered an interdisciplinary program designed to enhance the knowledge and understanding of political, social, economic, and cultural developments in modern Europe. Its members' intellectual approaches encompass history, political science, political economy, anthropology, sociology and cultural studies. Its purview includes all the regions of Europe as well as the institutional structures within individual countries and the European Union. The Center funds undergraduate thesis travel, dissertation fellowships, and offers several post-doctoral fellowships. Its quarters in Busch Hall provide office space for faculty, visiting scholars, and doctoral students on Europe. At the same time, the Center supports several study groups that maintain a schedule of seminars and presentations by visiting scholars and speakers from the world of public affairs and it organizes periodic conferences and workshops on European affairs. It maintains a program for the study of Germany and Europe initially funded by the Federal Republic of Germany and now supported by the Center's endowments. The Center is actively engaged in cooperation to advance European studies with other Harvard Faculties and Boston-area universities.

Expository Writing

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Subcommittee on Expository Writing

Benedict H. Gross, George Vasmer Leverett Professor of Mathematics and Dean of Harvard College (*Chair*)
Patrick K. Ford, Margaret Brooks Robinson Professor of Celtic Languages and Literatures (*on leave spring term*)
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*)

John Huth, Professor of Physics

Stephen M. Kosslyn, John Lindsley Professor of Psychology

Susan W. Lewis, Director of the Core Program (*ex officio*)

David McCann, Korea Foundation Professor of Korean Literature (*on leave spring term*)

Elizabeth Studley Nathans, Dean of Freshmen (*ex officio*)

Nancy Sommers, Senior Lecturer in Expository Writing and Sosland Director of Expository Writing (*ex officio*)

Nicholas Watson, Professor of English and American Literature and Language

Jeffrey Wolcowitz, Senior Lecturer on Economics and Associate Dean of Harvard College (*ex officio*)

Other Faculty Offering Instruction in the Expository Writing Program

Thomas Akbari, Preceptor in Expository Writing

Patricia M. Bellanca, Preceptor in Expository Writing

Nancy E. Bernhard, Preceptor in Expository Writing

Susan E. Carlisle, Preceptor in Expository Writing

Anthony B. Cashman, III, Preceptor in Expository Writing

Kathryn Ann Chadbourne, Associate of the Department of Celtic Languages and Literatures,

Preceptor in Expository Writing, Teaching Assistant in Special Concentrations, Lecturer on Celtic Languages and Literatures

Kim Cooper, Preceptor in Expository Writing

Michele D. Cotton, Preceptor in Expository Writing

William D. Evans, Preceptor in Expository Writing

Aden L. Evens, Preceptor in Expository Writing

Jeremy Fantl, Preceptor in Expository Writing

Barry S. Gilbert, Preceptor in Expository Writing

Faye S. Halpern, Preceptor in Expository Writing

Paul L. Harding, Preceptor in Expository Writing

Gregory A. Harris, Preceptor in Expository Writing

Gordon C. Harvey, Senior Preceptor in Expository Writing and Associate Director of Expository Writing

Karen L. Heath, Preceptor in Expository Writing

David K. Hecht, Preceptor in Expository Writing

Charles W. M. Henebry, Preceptor in Expository Writing

Cassandra Volpe Horii, Preceptor in Expository Writing

Thomas R. Jehn, Preceptor in Expository Writing

Jeannine Johnson, Preceptor in Expository Writing

Patricia Kain, Senior Preceptor in Expository Writing

Eric C. LeMay, 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



Lillian P. Porten, Preceptor in Expository Writing
Maxine Rodburg, Senior Preceptor in Expository Writing and Director of the Writing Center
Augusta Rohrbach, Lecturer on History and Literature
Jane A. Rosenzweig, Preceptor in Expository Writing
Susanna E. Ryan, Preceptor in Expository Writing
Steve Shoemaker, Preceptor in Expository Writing
Nancy Sommers, Senior Lecturer in Expository Writing and Sosland Director of Expository Writing
Stephen Brett Sutherland, Preceptor in Expository Writing
Janet H. Sylvester, Preceptor in Expository Writing
Thomas A. Underwood, Preceptor in Expository Writing
Rohit D. Wadhvani, Preceptor in Expository Writing
Thane D. Weedon, Preceptor in Expository Writing
Eric A. Weinberger, Preceptor in Expository Writing
Justin P. Wolff, 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: 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). Tu., Th., at 1. EXAM GROUP: 15

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.

Note: Students attend regular one-on-one conferences on their own writing, the topics for which will be of their own choosing. Graduate students may be admitted by permission of the instructor.

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*) (*on leave 2004-05*)

Julie A. Buckler, Professor of Slavic Languages and Literatures

Deborah D. Foster, Senior Lecturer on Folklore and Mythology (*Head Tutor*)

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore

Barbara L. Hillers, Assistant Professor of Celtic Languages and Literatures

David G. Mitten, James Loeb Professor of Classical Art and Archaeology

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Kimberley C. Patton, Associate Professor in the Comparative and Historical Study of Religion (*Divinity School*)

James R. Russell, Mashtots Professor of Armenian Studies

Lawrence E. Sullivan, Professor of the History of Religions (*Divinity School*)

Maria Tatar, Harvard College Professor and John L. Loeb Professor of Germanic Languages and Literatures

Ruth R. Wisse, Harvard College Professor, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature

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

Patrick K. Ford, Margaret Brooks Robinson Professor of Celtic Languages and Literatures (*on leave spring term*)

Michael Herzfeld, Professor of Anthropology

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

J. Lorand Matory, Professor of Anthropology and of African and African American Studies

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking

John E. Murdoch, Professor of the History of Science (*on leave fall term*)

Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies (*on leave 2003-04*)

Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History (*on leave 2003-04*)

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 available only to concentrators in Folklore and Mythology.

Note: Applicants must consult the Chairman of the Committee or the Head Tutor. The signature of the Chairman or the Head Tutor is required.

***Folklore and Mythology 97a (formerly *Folklore and Mythology 105). Fieldwork and Ethnography in Folklore**

Catalog Number: 3789 Enrollment: Limited to 12.

Deborah D. Foster

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Introduces concentrators to the study of traditions--their performance, collection, representation and interpretation. Both ethnographic and theoretical readings serve as the material for class discussion and the foundation for experimental fieldwork projects.

Note: Required of all, and limited to, concentrators.

***Folklore and Mythology 97b (formerly *Folklore and Mythology 103). Oral Literature and the History of Folkloristics**

Catalog Number: 5039 Enrollment: Limited to 12.



Stephen A. Mitchell

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Considers the implications of orality, literacy, performance, and transmission from ethnographic, literary and historical points of view. Examples and case-studies typically drawn from the Balkans, the American Southwest, Africa, and medieval Europe. Tutorial readings include works by Parry, Lord, Nagy, Ong, Foley, Zumthor and Bauman.

Note: Required of all, and limited to, concentrators.

***Folklore and Mythology 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 required. Normally taken in the second term of the junior year.

***Folklore and Mythology 99. Tutorial — Senior Year**

Catalog Number: 3886

Deborah D. Foster and members of the Committee

Full course. Hours to be arranged.

Note: Required of all concentrators. The signature of the Head Tutor or of the Chairman of the Committee on Degrees in Folklore and Mythology required. Graded SAT/UNSAT.

Folklore and Mythology Courses

Primarily for Undergraduates

***Folklore and Mythology 90a. Studies in Mythology: Seminar**

Catalog Number: 3843

Joseph C. Harris

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A variety of approaches to “myth” as related to religion, literature, and nation. Readings in comparative and anthropological mythology, including Dumézil, Eliade, Lévi-Strauss, Lincoln, and Puhvel; in primary mythological complexes drawn from the ancient Near East, Scandinavia, Ireland and the Baltic; and in literary, oral-literary, and sociohistorical applications.

Note: Limited to concentrators.

Folklore and Mythology 90b (formerly Folklore and Mythology 115). The African Oral Narrative Tradition: Seminar

Catalog Number: 5663

Deborah D. Foster

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines African oral narrative, focusing on composition and performance techniques of oral performers. Considers the way in which symbol and metaphor work in oral art forms; compares methods of oral narrative analysis, including structuralism, semiotics, and performance theory; investigates the function of the trickster figure, and studies the role of the hero in epic narrative.



Note: Limited to concentrators, others admitted with permission of instructor. All readings in English.

For Undergraduates and Graduates

[Folklore and Mythology 100. Performance, Tradition and Cultural Studies: An Introduction to Folklore and Mythology]

Catalog Number: 3579

Stephen A. Mitchell

Half course (spring term). Hours to be arranged.

Surveys the major forms of folklore (e.g., myths, legends, epics, beliefs, rituals, festivals) and the theoretical approaches used in their study. Analyzes how folklore shapes national, regional, and ethnic identities, as well as daily life, and considers the function of folklore within the groups that perform and use it, employing materials drawn from a wide range of tradition areas (e.g., South Slavic oral epics, American occupational lore, Northern European ballads, witchcraft in Africa and America, Cajun Mardi Gras).

Note: Expected to be given in 2004–05.

[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 (spring term). Hours to be arranged.

An examination of 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 attempt to understand the emergent meaning of dance performances from the perspective of both dancer and observer.

Note: Expected to be given in 2004–05.

***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

For a complete up-to-date list of cross-listed courses, please visit our department's courses website at www.fas.harvard.edu/~folkmyth/indexcourses.htm



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*) (*on leave 2004-05*)

Peter J. Burgard, Professor of German (*Director of Graduate Studies*)

Arie J. Gelderblom, Erasmus Lecturer on the History and Civilization of the Netherlands and Flanders (*fall term only*)

Karl S. Guthke, Kuno Francke Professor of German Art and Culture (*on leave fall term*)

John T. Hamilton, Assistant Professor of Comparative Literature and of Germanic Languages and Literatures

Annette Johansson-Los, Preceptor in Scandinavian

Kristin Kopp, Assistant Professor of German (*Head Tutor, German*)

Charles P. Lutcavage, Senior Preceptor in German

Stephen A. Mitchell, Professor of Scandinavian and Folklore (*Head Tutor, Scandinavian*) (*on leave 2004-05*)

Gerhard Neumann, Visiting Professor of Germanic Languages and Literatures (*spring term only*)

Peter Nisbet, Senior Lecturer on History of Art and Architecture

Sylvia Rieger, Preceptor in German (*Coordinator of Language Instruction*)

Judith Ryan, Robert K. and Dale J. Weary Professor of German and Comparative Literature

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, Francis Lee Higginson Professor of English Literature and Professor of Folklore

Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

German

Primarily for Undergraduates

The placement test in German is offered during Freshman Week and during Interession.

German A. Elementary German

Catalog Number: 4294

Sylvia Rieger and staff



Full course (indivisible). M. through Th., sections at 9, 10, 11, or 12. EXAM GROUP: 6

A thorough introduction to German language and culture designed for students with little or no knowledge of the language. Encompasses all four skills: speaking, listening, reading, and writing. Class time is focused on developing oral proficiency. Language instruction is supplemented by literary and non-literary texts, films, and Internet activities.

Note: The first half of this course may not be taken as a half course for credit toward the AB degree; there are no exceptions to this rule. 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., sections at 9, 10, or 12; and an additional hour to be arranged on Mondays. EXAM GROUP: 2, 11

A complete first-year course in one term for students with no knowledge of German. Provides a thorough introduction to German culture and language, encompassing all four skills: speaking, listening, reading, and writing. Class time is focused on developing oral proficiency; by the end of the course, students should be able to engage in everyday conversation with native speakers. Language instruction is supplemented by literary and non-literary texts, films, and Internet activities.

Note: Open to graduate students only with permission of the instructor. May not be taken Pass/Fail. Not open to auditors.

German Da. Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 5779

Sylvia Rieger 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

Aims at enhancing students' proficiency in all four skills and offers a thorough grammar review. Students explore a broad range of current political and cultural issues in the German-speaking countries: multiculturalism, east-west German relations, the media, etc. Course materials consist of literary and non-literary texts, films, and Internet activities.

Note: Conducted in German. Not open to auditors.

German Db. Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 2608

Sylvia Rieger and staff

Half course (fall term; repeated spring term). Fall term: M., W., F., at 9; Spring term: M., W., F., sections at 9, 11, or 12. EXAM GROUP: 2

Continuation of German Da. Discussion materials include literary texts and film. Emphasis on speaking proficiency and on strengthening writing skills. Course includes a review of selected grammatical structures and exercises in vocabulary-building.

Note: Conducted in German. Not open to auditors.

Prerequisite: German Da or permission of the instructor.



German S. German for Reading Knowledge

Catalog Number: 7177

Charles P. Lutcavage and staff

Half course (fall term; repeated spring term). M., W., 4–5:30; M., W., 4–5:30. EXAM GROUP: 9

Development of reading proficiency for students with little or no knowledge of German.

Emphasizes translation of academic German prose into English.

Note: Not open to auditors.

[German 50a. Introduction to 19th-Century German Literature]

Catalog Number: 3213

Kristin Kopp

Half course (fall term). Hours to be arranged.

We will study representative authors of the 19th century 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, Grillparzer, Büchner, Heine, Droste-Hülshoff, Freytag, Stifter, Hauptmann, and Fontane, the course aims at improving reading competence.

Note: Expected to be given in 2004–05. Conducted in German.

Prerequisite: Satisfaction of the language requirement, equivalent preparation, or permission of the instructor.

[German 50b. Introduction to 20th-Century German Literature]

Catalog Number: 5412

Sylvia Rieger

Half course (spring term). Hours to be arranged.

We will study influential works and films in their historical and cultural framework. Through close readings of works by Mann, Schnitzler, Celan, Kolmar, Wolf, Bachmann, Schulze, and others, the course aims at improving writing and reading competence. Films by Wiene, Pabst, Kluge, Fassbinder, von Trotta, Arslan.

Note: Expected to be given in 2004–05. 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; screenings every other W., 6-8. EXAM GROUP: 3

Using a broad array of literary and non-literary texts, we 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, and the arts. Materials drawn from Internet, film, and multimedia resources. Strong class participation expected.

Note: Conducted in German. May not be taken Pass/Fail.



German 65. Wirtschaftsdeutsch

Catalog Number: 2678

Charles P. Lutcavage

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Communication, reading, and writing skills for a business environment. Attention to grammar and specialized vocabulary, as well as cultural and political issues relevant to conducting business in German-speaking countries. Writing practice includes business correspondence and job applications. Supplemented by articles from the German-language press, the Internet, and videos.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German D, equivalent preparation, or permission of the instructor.

German 68. Deutschland, Österreich, Europa

Catalog Number: 6537

Charles P. Lutcavage

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

An advanced language course focusing on current events in Germany, Austria, and the European Union. Readings, discussions, and projects based on a variety of contemporary political, social, economic, and cultural topics. Materials from various sources, including the German-language press, the Internet, videos, and television news.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German 60, German 65, 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 97 (formerly *German 97hf). Tutorial — Sophomore Year**

Catalog Number: 1774

Peter J. Burgard and members of the Department

Half course (fall term). Hours to be arranged.

Introduction to German literary and cultural history and to the analysis of poetry, drama, narrative, and film.

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 32u. Nietzsche's Major Works](#)

[*Freshman Seminar 32v. Goethe's Faust](#)

[Yiddish A. Elementary Yiddish](#)

For Undergraduates and Graduates

[German 101. Introduction to Medieval Literature and Culture]

Catalog Number: 6745

Eckehard Simon

Half course (fall term). Hours to be arranged.

Selected readings of major literature from the Old High German period to the Reformation (800–1500), focusing on the great Middle High German works (1170–1250): the *Nibelungenlied*, Hartmann's *Iwein*, Gottfried's *Tristan*, Wolfram's *Parzival*, Walther von der Vogelweide. Extended discussion of historical and cultural background. Texts read in modern German translations.

Note: Expected to be given in 2004–05. Conducted in German. Graduate students upgrade the course to graduate credit by reading original texts.

Prerequisite: A reading knowledge of German.

[German 110. Baroque]

Catalog Number: 8078

Peter J. Burgard

Half course (fall term). Hours to be arranged.

Examines the literature of the German Baroque as well as the art of the European Baroque. Discussions of poetry, drama, and narrative. Focuses on questions of identity and excess, which are introduced via consideration of European Baroque art. Readings include Fleming, Grimmelshausen, Gryphius, Hofmannswaldau, Lohenstein, Opitz, and Zesen. Artists considered include Asam, Bernini, Borromini, Caravaggio, Carracci, Rubens, and Velázquez.

Note: Expected to be given in 2004–05. Readings in German, discussions in English.

[German 126. The Brothers Grimm and Their Cultural Legacy]

Catalog Number: 6162

Maria Tatar

Half course (fall term). Hours to be arranged.

Examines the folktales collected and edited by the Brothers Grimm and explores the dissemination of the tales in literary cultures. We 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 given in 2004–05. Readings in German, discussions in English.

[German 135. Love and Literature](#)

Catalog Number: 5023

Gerhard Neumann

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the nature of perception and understanding between the sexes through investigation of Western theories of love ranging from Plato to Ovid, Stendhal, Foucault, and Luhmann.



Interprets major texts in the German literary tradition since the Age of Goethe—from Goethe himself and E.T.A. Hoffmann to Fontane, Schnitzler, and Musil—and discusses their relation to those theories.

Note: Expected to be omitted in 2004–05. Readings and discussions in German.

German 147. Nietzsche

Catalog Number: 6994

Peter J. Burgard

Half course (spring term). M., 2–4; F., at 12; F., at 2 and an hour to be arranged. EXAM

GROUP: 7, 8

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 2004–05. No knowledge of German required. All readings and discussions in English.

[German 148. Freud]

Catalog Number: 5403

Peter J. Burgard

Half course (fall term). Hours to be arranged.

Readings and discussions of Freud's major works (in translation), including *The Interpretation of Dreams*, *The Psychopathology of Everyday Life*, *Jokes and Their Relation to the Unconscious*, *Three Essays on the Theory of Sexuality*, *Totem and Taboo*, *Beyond the Pleasure Principle*, *Group Psychology and the Analysis of the Ego*, *The Ego and the Id*, and *Civilization and Its Discontents*.

Note: Expected to be given in 2004–05. No knowledge of German required. All readings and discussions in English.

[German 151. Franz Kafka: Modernity and Its Discontents]

Catalog Number: 0169

Judith Ryan

Half course (spring term). Hours to be arranged.

Close readings of Kafka's novels and stories. Kafka's development of his characteristic narrative modes, the relation of his works to the cultural context in which they originated, the function of humor and parody in his works, and the challenges his texts pose for readers.

Note: Expected to be given in 2004–05. No knowledge of German required. Readings and discussions in English; German concentrators read texts in the original.

German 170. Goethe's Faust in Context

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,



including the role of “post-Christian” and “post-Enlightenment” elements.

Note: Expected to be omitted in 2004–05. Readings in German, discussions in English.

German 180 (formerly Comparative Literature 215). Melopoeia: On German Music and Letters

Catalog Number: 9138

John T. Hamilton

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Examines music theories in relation to German literature, philosophy, and criticism. Topics include harmony of the spheres, synesthesia, Romanticism and Universalpoesie, Wagner and Gesamtkunstwerk, the tone-poem, secularization and the rise of chromatization, the semiotics of music, and Kulturpolitik.

Note: Expected to be omitted in 2004–05. No knowledge of German required. Readings and discussions in English; German concentrators read texts in the original.

German 188 (formerly German 282). Poetry After Auschwitz

Catalog Number: 0379

Judith Ryan

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Engaging with Adorno’s dictum about “poetry after Auschwitz” and related theoretical readings, the course focuses on lyric poetry from 1945 to the present.

Note: Expected to be omitted in 2004–05. Readings in German, discussions in English.

Prerequisite: Good knowledge of German essential.

German 193. Stylistic Studies and Expository Writing

Catalog Number: 6370

Karl S. Guthke

Half course (spring term). W., 4–6. EXAM GROUP: 9

Close analysis and informal discussion of the style and significance of very short keynote literary and cultural texts, followed by written work (one page per week). Designed to develop appreciation of stylistic qualities and cultural implications of representative 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, 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., at 11, plus an hour to be arranged. EXAM GROUP: 4

The course investigates 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 examine important moments in the history of this struggle.

Note: Expected to be omitted in 2004–05. 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]

[Comparative Literature 174. American Babel]

[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. The Frankfurt School: 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 C-25. The Medieval Stage](#)

[Literature and Arts C-43. The Medieval Court](#)

[Literature and Arts C-65. Repression and Expression: Literature and Art in *Fin-de-siècle* Germany and Austria]

[Literature and Arts C-67. The German Colonial Imagination]

[Visual and Environmental Studies 187x. New German Cinema: Oppositional Energies and Utopian Designs](#)

[Yiddish 102r. Modern Yiddish Literature I]

Primarily for Graduates

[German 200 \(formerly Germanic Philology 200\). Introduction to Middle High German](#)

Catalog Number: 4639

Eckehard Simon

Half course (fall term). M., at 1, W., 1–3. EXAM GROUP: 6, 7

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). 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.

[German 201r. Graduate Tutorial in Medieval Literature](#)

Catalog Number: 4933

Eckehard Simon

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Topic to be announced.

Note: Students planning to enroll must contact the instructor before the start of term.

Prerequisite: A reading knowledge of Middle High German.

[German 202r. Seminar on Medieval Literature]

Catalog Number: 3692



Eckehard Simon

Half course (spring term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2004–05. Students planning to enroll must contact the instructor before the start of term.

Prerequisite: A reading knowledge of Middle High German

[German 221. Goethe: Seminar]

Catalog Number: 7666

Peter J. Burgard

Half course (spring term). Hours to be arranged.

Examines selected major works, including poetry, drama, novels, and essays on art, literature, and science.

Note: Expected to be given in 2004–05. Readings in German, discussions in English.

[German 225 (formerly Germanic Philology 225). History of the German Language]

Catalog Number: 5192

Eckehard Simon

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05. Conducted in German

Prerequisite: Command of German, one term of Middle High German, or the equivalent.

German 226r. Experience and Remembrance in W. G. Sebald: Proseminar

Catalog Number: 1364

Judith Ryan

Half course (fall term). Tu., 2–4 and an additional hour to be arranged. EXAM GROUP: 16, 17

Through study of texts by W. G. Sebald in the context of recent German literature, the seminar provides an introduction to literary theory, current critical approaches, and research methods.

Note: Expected to be omitted in 2004–05. Readings in German, discussions in English.

German 240. Franz Kafka: Seminar

Catalog Number: 8217

Gerhard Neumann

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Through examination of Kafka's entire oeuvre, the seminar addresses the aporia of modern narration documented by his work and at the same time attempt a socio-historical contextualization and reconstruction of its central cultural themes.

Note: Expected to be omitted in 2004–05. Readings and discussions in German.

[German 242 (formerly Comparative Literature 268). Germany and the Greeks: Philhellenism from Winckelmann to George (1755-1914)]

Catalog Number: 0516

John T. Hamilton



Half course (spring term). Hours to be arranged.

Topics: epic and nationalism; originality, genius, and tradition; pedagogy and revolution; the lyrical subject and concepts of the *vates*; representations of the classical body; Dionysus and tragedy; Mutterrecht; the rise of Antiquarianism, philology, classical scholarship.

Note: Expected to be given in 2004–05.

[German 244. Readings in Film Theory]

Catalog Number: 6388

Eric Rentschler

Half course (fall term). Hours to be arranged.

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 contemplate the pertinence of these contributions for recent work in film and media studies.

Note: Expected to be given in 2004–05. Conducted in English. Readings in English; students with German-language proficiency read texts in the original.

[German 248. Schiller's Dramas: Seminar]

Catalog Number: 7091

Karl S. Guthke

Half course (spring term). Hours to be arranged.

Discussion of the entire range of Schiller's plays in light of recent research trends.

Note: Expected to be given in 2004–05. Open to qualified undergraduates.

German 255. Introduction to German Hermeneutics

Catalog Number: 2000

John T. Hamilton

Half course (spring term). M., 4–6. EXAM GROUP: 9

Interpretation theories from biblical exegesis to modern hermeneutics. Topics: allegoresis and typology, historicism, poetic obscurity, psychoanalysis, reception theory. Readings: Lessing, Herder, Goethe, Hölderlin, Schleiermacher, Schlegel, Kleist, Hoffmann, Nietzsche, Dilthey, Freud, Kafka, Heidegger, Gadamer, Habermas, Jauss.

Note: Expected to be omitted in 2004–05. Readings in German, discussions in English.

[German 261. Film and Nation]

Catalog Number: 1903

Eric Rentschler

Half course (spring term). Hours to be arranged.

Probes film's relation to history and memory and the role of modern media in the formation of local and global identities. A comparative case study of post-war/post-wall German films that recast the Nazi legacy.

Note: Expected to be given in 2004–05. Conducted in English. Readings in English; students with German-language proficiency read texts in the original.

German 264. German Literary Criticism from the Enlightenment to Naturalism

Catalog Number: 2411

Karl S. Guthke



Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

A survey focusing on the analysis of representative critical texts. Lecture and discussion.

Note: Expected to be omitted in 2004–05. Open to qualified undergraduates.

[German 276. Colonial Theory and German Colonial Fictions]

Catalog Number: 3663

Judith Ryan

Half course (fall term). Hours to be arranged.

Theoretical readings and essays from the scholarly literature on German colonialism will be studied with selected texts from the pre-colonial, colonial, and post-colonial periods.

Note: Expected to be given in 2004–05. Readings in German, discussions in English.

[German 288. German Novels of the 1990s]

Catalog Number: 8467

Judith Ryan

Half course (spring term). Hours to be arranged.

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, and Wolf.

Note: Expected to be given in 2004–05. Readings in German, discussions in English.

Cross-listed Courses

[Comparative Literature 208. Experience and Expression: 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 (on leave fall term), John T. Hamilton 3977, Kristin Kopp 4133, Peter Nisbet 1738, Eric Rentschler 2325 (on leave 2004-05), Judith Ryan 1135, Eckehard Simon 2670, and Maria Tatar 3645

Germanic Philology

Primarily for Graduates

[Germanic Philology 280. Introduction to Current Methods in Teaching German](#)

Catalog Number: 5944

Sylvia Rieger

Half course (spring term). Hours to be arranged.

A thorough introduction to current teaching approaches in foreign language teaching. Emphasis on development of practical skills for beginning to advanced German language courses.

Graduate Courses of Reading and Research



***Germanic Philology 300. Special Reading Programs and Research Problems for
Advanced Students**

Catalog Number: 1045

*Joseph C. Harris 1089, Jay Jasanoff 1661, Stephen A. Mitchell 7056 (on leave 2004-05), and
Eckehard Simon 2670*

Cross-listed Courses

[English 101. The History and Structure of the English Language](#)

[Linguistics 110. Introduction to Linguistics](#)

[Linguistics 168. Introduction to Germanic Linguistics](#)

[Linguistics 247. Topics in Germanic Linguistics]

[Yiddish 105. Yiddish Language and Linguistic Theory]

Dutch

For Undergraduates and Graduates

[Dutch A \(formerly Dutch Aa\). Elementary Dutch](#)

Catalog Number: 7660

Charles P. Lutcavage

Full course (indivisible). M., W., F., at 12. EXAM GROUP: 5

A thorough introduction to Dutch, focusing on speaking, listening, reading, and writing skills. Class sessions emphasize the development of oral proficiency. Readings include short stories, poems, and newspaper articles. Videos, films, and the Internet provide supplementary material for discussion of current events and culture.

Note: The first half of this course may not be taken as a half course for credit toward the AB degree. Not open to auditors.

[Dutch 110. Word and Image in the Dutch Republic](#)

Catalog Number: 1626

Arie J. Gelderblom

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores verbal and pictorial traditions in the Republic of the United Netherlands (1579?1795) and their function within the ideologies of an emerging nation in early modern Europe. Painting, poetry, emblems, travel journals, and children's books, among others, will be analyzed with special focus on questions of gender, race, religion, and power, both at home and overseas in the Dutch colonies. Some aspects of the modern memory of the "golden" Dutch 17th century will receive a close look.

Note: Expected to be omitted in 2004–05. Conducted in English; students with reading knowledge of Dutch read texts in the original.

Primarily for Graduates

[Dutch 205. A Nation Built on Water]

Catalog Number: 1227



Arie J. Gelderblom

Half course (fall term). Hours to be arranged.

Explores the origins and functions of the concept “water” in the founding myths of the Dutch Republic (1579-1795) and in various forms of national discourse in the Kingdom of the Netherlands (1813-today). Examples are taken from fictional and factual texts, popular culture, and the visual arts, including architecture and film.

Note: Expected to be given in 2004–05. Conducted in English; students with reading knowledge of Dutch read texts in the original.

Scandinavian

Primarily for Undergraduates

[Danish A. Introduction to Danish Language and Literature]

Catalog Number: 1861

Stephen A. Mitchell

Full course (indivisible). Hours to be arranged.

An introductory course in modern Danish for students with little or no previous knowledge of the language. In the fall 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: Expected to be given in 2004–05. *The first half of this course may not be taken as a half course for credit toward the AB 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 AB degree. Not open to auditors.

Swedish Ba. Intermediate Swedish

Catalog Number: 3104

Annette Johansson-Los

Half course (fall term). W., Th., at 10, M., at 11, and one hour to be arranged. EXAM GROUP: 3, 4, 12

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.

For Undergraduates and Graduates

Scandinavian 160a. Old Norse Language, Literature, and Culture: The Viking Legacy

Catalog Number: 1139 Enrollment: Limited to 12.



Stephen A. Mitchell

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Introduction to the language and literary culture of medieval Scandinavia, emphasizing works treating the Viking Age and their valorization of an heroic ideal. In addition to basic language skills, students acquire familiarity with key critical tools of the field. Readings include scaldic poetry, selections from *Egils saga* and the Vinland sagas, and various runic monuments.

Note: Expected to be omitted in 2004–05. May be counted toward the Folklore and Mythology 90 requirement.

Scandinavian 160b. Old Norse Language, Literature, and Culture: Mythology

Catalog Number: 7588 Enrollment: Limited to 12.

Stephen A. Mitchell

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Builds on Scandinavian 160a, continuing the language study and cultural survey of the first term, but now considers mythological texts relating to Viking religious life, mainly selections from the prose and poetic *Eddas*. Special attention is paid to scholarly tools and debates concerned with the interpretation of these cultural monuments.

Note: Expected to be omitted in 2004–05. May be counted toward the Folklore and Mythology 90 requirement.

Prerequisite: Scandinavian 160a or equivalent.

Cross-listed Courses

[Foreign Cultures 78. Culture-Building and the Emergence of Modern Scandinavia]

[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

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 (on leave 2004-05)

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,
Department Chair of Government (*Chair*)
James E. Alt, Frank G. Thomson Professor of Government (*on leave spring term*)
Scott Ashworth, Assistant Professor of Government (*on leave 2003-04*)
Christopher N. Avery, Professor of Public Policy (*Kennedy School*) (*fall term only*)
Robert H. Bates, Eaton Professor of the Science of Government
Terri Bimes, (*spring term only*)
Bear F. Braumoeller, Assistant Professor of Government (*on leave fall term*)
Barry C. Burden, Associate Professor of Government
Andrea L. Campbell, Assistant Professor of Government
Daniel P. Carpenter, Professor of Government (*on leave 2003-04*)
Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies
Michael C. Dawson, Professor of Government
Torun A. Dewan, Lecturer on Government (*spring term only*)
Jorge I. Domínguez, Clarence Dillon Professor of International Affairs
Grzegorz Ekiert, Professor of Government
Margarita Estevez-Abe, Assistant Professor of Government
Jeffrey Frieden, Stanfield Professor of International Peace
Andrea M. Gates, Lecturer on Government, Associate of the Department of Government (*spring term only*)
Peter A. Hall, Harvard College Professor and Krupp Foundation Professor of European Studies
(*on leave 2003-04*)
Yoshiko M. Herrera, Associate Professor of Government (*on leave 2003-04*)
D. Sunshine Hillygus, Assistant Professor of Government
Michael J. Hiscox, John L. Loeb Associate Professor of the Social Sciences
Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government (*on leave 2003-04*)
Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor
William G. Howell, Assistant Professor of Government
Samuel P. Huntington, Albert J. Weatherhead, III University Professor (*on leave spring term*)
Torben Iversen, Professor of Government
Bertram N. Johnson, Lecturer on Government
Alastair Iain Johnston, Governor James Albert Noe and Linda Noe Laine Professor of China in
World Affairs
Devesh Kapur, Frederick S. Danziger Associate Professor of Government
Oleg Valeryovich Kharkhordin, Post-Doctoral Fellow in the Kathryn W. and Shelby Cullom
Davis Center for Russian Studies, Visiting Associate Professor of Government (*European
University at St. Petersburg, Russia*) (*fall term only*)
Gary King, David Florence Professor of Government
Sharon R. Krause, Assistant Professor of Government (*Head Tutor*)
Andrew Harriman Kydd, Assistant Professor of Government (*on leave 2003-04*)
Steven R. Levitsky, Assistant Professor of Government and of Social Studies, Associate
Professor of Government and of Social Studies
Harvey C. Mansfield, William R. Kenan, Jr., Professor of Government
Lisa L. Martin, Clarence Dillon Professor of International Affairs
Pratap Bhanu Mehta, Visiting Professor of Government (*Jawaharlal Nehru University, New
Delhi*) (*spring term only*)



Jens Meierhenrich, Lecturer on Social Studies (*spring term only*)
 Edward S. Miliband, Visiting Scholar in the Center for European Studies, Visiting Lecturer on Government (*fall term only*)
 Andrew Moravcsik, Professor of Government (*on leave fall term*)
 Glyn Morgan, Associate Professor of Government and of Social Studies
 Russell Muirhead, Associate Professor of Government (*on leave spring term*)
 Mary P. Nichols, Visiting Professor of Government (*Fordham University*) (*fall term only*)
 Robert L. Paarlberg, (*Wellesley College*) (*spring term only*)
 Elizabeth J. Perry, Henry Rosovsky Professor of Government
 Paul E. Peterson, Henry Lee Shattuck Professor of Government
 Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics
 Paul Pierson, Harold Hitchings Burbank Professor of Political Economy (*on leave spring term*)
 Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy
 Kevin M. Quinn, Assistant Professor of Government
 Louise M. Richardson, Senior Lecturer on Government (*fall term only*)
 Stephen Peter Rosen, Harvard College Professor and Beton Michael Kaneb Professor of National Security and Military Affairs (*on leave 2003-04*)
 Nancy Lipton Rosenblum, Senator Joseph S. Clark Professor of Ethics in Politics and Government
 George W. Ross, Visiting Professor of Government, Associate of the Center for European Studies (*Brandeis University*) (*spring term only*)
 Carol R. Saivetz,
 Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government, Harvard College Professor
 Eric Schickler, Professor of Government
 Jasjeet Singh Sekhon, Assistant Professor of Government, Associate Professor of Government (*on leave spring term*)
 Catherine R. Shapiro, Allston Burr Senior Tutor in Leverett House, Lecturer on Government
 Kenneth A. Shepsle, George D. Markham Professor of Government
 Beth A. Simmons, Professor of Government
 Cindy Skach, Assistant Professor of Government
 Theda Skocpol, Victor S. Thomas Professor of Government and Sociology (*on leave fall term*)
 Allan C. Stam, Visiting Associate Professor of Government (*Dartmouth College*) (*spring term only*)
 Jessica E. Stern, Lecturer on Government (*fall term only*)
 Christina Tarnopolsky, Assistant Professor of Government and of Social Studies (*on leave 2003-04*)
 Dennis F. Thompson, Alfred North Whitehead Professor of Political Philosophy (*FAS*), Professor of Government, and Professor of Public Policy (*Kennedy School*)
 Richard Tuck, Frank G. Thomson Professor of Government (*Director of Graduate Studies*)
 Sidney Verba, Carl H. Pforzheimer University Professor
 Daniel F. Ziblatt, Assistant Professor of Government and of Social Studies

Other Faculty Offering Instruction in the Department of Government



Graham T. Allison, Jr., Douglas Dillon Professor of Government (*Kennedy School*)
Robert D. Blackwill, Lecturer on International Security (*Kennedy School*)
Jocelyne Cesari, Associate of the Center for Middle Eastern Studies, Visiting Associate
Professor of Anthropology (*University of Aix-en-Provence, France*)
Garrett M. Fitzmaurice, Associate Professor of Biostatistics (*Public Health*)
Lee Fleming, Assistant Professor of Business Administration (*Business School*)
David Little, T. J. Dermot Dunphy Professor of the Practice in Religion, Ethnicity, and
International Conflict (*Divinity School*)
Roger B. Porter, IBM Professor of Business and Government (*Kennedy School*)
Donald B. Rubin, John L. Loeb Professor of Statistics
William Julius Wilson, Lewis F. and Linda L. Geyser University Professor
Christopher Winship, Professor of Sociology

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

1000–1029 and 2000–2029: Political Methodology and Formal Theory

1030–1099 and 2030–2099: Political Thought and Its History

1100–1299 and 2100–2299: Comparative Government

1300–1599 and 2300–2599: American Government, Public Law, and Administration

1700–1999 and 2700–2999: International Relations

3000–3999: Graduate Courses of Reading and Research and Dissertation Workshops

Introductory and General Courses

Primarily for Undergraduates

[Government 10. Introduction to Political Thought](#)

Catalog Number: 8836

Richard Tuck

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Deals with the principal issues debated by political theorists from antiquity down to the present



day. The issues include justice, democracy, rights, the state and international relations; thinkers include Plato, Aristotle, Machiavelli, Hobbes, Rousseau, Kant, Hegel, Marx, and Mill.

Government 20. Introduction to Comparative Politics

Catalog Number: 6166

Steven R. Levitsky

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Provides an introduction to key concepts and theoretical approaches in comparative politics. Major themes include democracy and democratization, economic development, ethnic conflict, social revolution, the role of the state, political institutions, and the cultural foundations of politics. Examines and critically evaluates different theoretical approaches to politics, including modernization, Marxist, cultural, institutionalist, and leadership-centered approaches. Compares cases from Africa, Asia, Europe, and Latin America to provide students with grounding in the basic tools of comparative analysis.

Government 30. American Government: A New Perspective

Catalog Number: 0263

Andrea L. Campbell and Paul E. Peterson

Half course (spring term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Provides an overview of contemporary American politics, showing how recent changes in elections and media coverage have helped shape key aspects of American government. From the courts, Congress, and the Presidency, to the workings of interest groups and political parties, and, also to the making of public policy, the pressure on political leaders to run permanent campaigns has altered governmental institutions and processes. The course explains how and why.

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). Th., 2–4. EXAM GROUP: 16, 17

Focuses on changes in economy, society, and politics in the transition from empire to small country. Topics include the evolving party system, electoral behavior, and a range of policy



questions involving economic management, the welfare state, the European Community, race relations, Northern Ireland.

Government 90au. Political Economy

Catalog Number: 8213

Torben Iversen

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Examines modern theories of political economy and their applications to macro problems in advanced democracies. Why do some governments and countries generate better economic performance than others? Why are some economies more egalitarian than others? How do politicians manipulate the economy for partisan gain, and how are politicians constrained by institutions and the global economy? We seek to answer these questions using the most promising theories in political science and economics.

Government 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 90ba. Politics of Migration and Identity in Europe

Catalog Number: 5159

Andrea M. Gates

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

As European governments are forced to acknowledge the permanent place of resident foreigners and others of non-European origin, what particular challenges do elected officials, native populations, and “non-European” populations face? Why do we observe cross-national differences when it comes to the inclusion or incorporation of new populations? Have these differences become less pronounced as a result of the integration process?

[Government 90bw. Markets and Morals]

Catalog Number: 5921

Michael J. Sandel

Half course (fall term). Hours to be arranged.

Examines controversial cases of commodification, and ask whether there are some things money cannot or should not buy. Topics to include organ sales, surrogacy, college financial aid, pollution permits, for-profit prisons, mercenary armies, and others. Some previous course work in political theory is recommended but not required.

Note: Expected to be given in 2004–05.

Government 90dd. Education Politics and Policy

Catalog Number: 3796

Paul E. Peterson



Half course (fall term). M., 3:30–5:30. EXAM GROUP: 8, 9

Analysis of political forces shaping elementary and secondary education governance and policy. Major contemporary issues discussed. Students expected to write term papers.

Government 90dx. Political Participation and Public Policy in the US

Catalog Number: 1784

Andrea L. Campbell

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

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.

[Government 90ej. Social Identities]

Catalog Number: 9514

Yoshiko M. Herrera

Half course (spring term). Hours to be arranged.

An introduction to theories of social identity in political science and social psychology. Considers a range of traditional identity categories, including race, ethnicity, nationality, class, status, gender, and religion. Emphasizes techniques and strategies that have been developed to measure identity. Course readings consist mainly of empirical works on identity from a variety of geographical areas.

Note: Expected to be given in 2004–05.

Government 90eo. 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; trade policy; multinational corporations; debt crises; labor standards; and international environmental issues.

Government 90fj. Political Persuasion

Catalog Number: 5033

D. Sunshine Hillygus

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examines political persuasion and democratic decision-making, with particular attention paid to government persuasion campaigns such as presidential elections. What is the function of political persuasion in American democracy? What techniques do political elites use to attempt to influence mass opinions and behavior? Who is most likely to be influenced by such appeals? What is the role of the mass media? Readings drawn from political communication, political psychology, and political behavior.



Government 90fm. Money in Politics

Catalog Number: 6784

Bertram N. Johnson

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Examines the scholarship surrounding the topic of money in politics. We discuss the history of money in politics in the US, the available data on contributor influence, and existing research on recent legal and strategic changes in the campaign finance environment.

Government 90gs. Civil Society in Asia

Catalog Number: 7546

Susan J. Pharr

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

This seminar explores the concept of civil society with a focus on Asia. It looks at the Western origins of the idea of civil society, public space, and social capital; debates over their applicability outside the West; the relation between civil society and democracy; the forms civil society takes under conditions of repression; and how civil societies arise in the first place. Special attention to China, Japan, Korea, Taiwan, and India.

Government 90hg. Building the Activist State: American Public Policy Since 1960.

Catalog Number: 8096

Paul Pierson

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Contemporary conflicts over domestic policy play out against the backdrop of the dramatic expansion of government activity after 1960. We examine the causes and political consequences of the gradual growth of activist government, focusing on three domains: the expansion of social programs, the emergence of “new” social regulation in areas such as the environment and consumer protection, and the expansion of protections for particular groups (often termed the “rights revolution”).

Government 90hh. International Migration and the Political Economy of Development

Catalog Number: 9044

Devesh Kapur

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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-US Relations in an Era of Rising Chinese Power]

Catalog Number: 9006

Alastair Iain Johnston

Half course (spring term). Hours to be arranged.

Assesses theoretical arguments and empirical evidence concerning the implications of Chinese economic and military modernization for conflict and cooperation between China and the US.



Some issues examined include global arms control, trade, the environment, and regional security.

Note: Expected to be given in 2004–05.

Government 90jf. Leaders, Politicians, and Visionaries

Catalog Number: 3754

Catherine R. Shapiro

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

What is the role of leadership in US politics? Why have particular individuals—Thomas Jefferson, Elizabeth Cady Stanton, Franklin Delano Roosevelt, 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, analyses of specific US leaders, and conduct independent research.

Government 90jq. Religion and Political Theory in Comparative Perspective

Catalog Number: 8844

Pratap Bhanu Mehta (Jawaharlal Nehru University, New Delhi)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Examines the normative challenges posed by religion for modern states. How should religion be accommodated? What are the different forms of accommodation? An explicitly comparative course which includes cases from India, the US, and Europe.

Government 90ka. Rethinking the Welfare State

Catalog Number: 2138

Margarita Estevez-Abe

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Compares social policy in different countries and different theories about them, while also thinking systematically about the logic of comparative study. Questions we address are: What are the main areas of welfare state activities? How can we distinguish different welfare states? What shapes them and what are their effects? How have different welfare states changed? (Empirical materials mostly?but not exclusively?cover advanced industrial societies.)

[Government 90km. The Political Economy of Africa]

Catalog Number: 3776

Robert H. Bates

Half course (spring term). Hours to be arranged.

Covers recent writings on the politics and economics of Africa. Emphasis placed on recent writings on political reform (democratization), state disintegrations, and violence.

Note: Expected to be given in 2004–05.

Government 90mz. The Problem of Socrates

Catalog Number: 0936

Mary P. Nichols (Fordham University)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

What is political philosophy as it was originated by Socrates, and what is its relation to political life? We study Plato's portrayal of Socrates in such dialogues as *Gorgias*, *Symposium*, and



Euthyphro, as well as modern challenges to political philosophy by critics of Socrates such as Hegel, Kierkegaard, and Nietzsche.

[Government 90nd. Liberalism and Democracy in Montesquieu, Rousseau, and Tocqueville]

Catalog Number: 4516

Sharon R. Krause

Half course (fall term). Hours to be arranged.

Explores the relationship between liberalism and democracy through the political writings of three thinkers who regarded modern liberalism to be in some measure at odds with the tenets and practices of democracy. We consider the meaning, foundations, purposes, and practices of both liberalism and democracy, examine the relationship between them, assess the merits and the dangers of each, and reflect on the nature of their union in contemporary American public life.

Note: Expected to be given in 2005–06.

Government 90ot. Black Political Thought

Catalog Number: 4092

Michael C. Dawson

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An intensive introduction to black political thought. Texts considered during the first part of the course are from key authors such as W. E. B. Du Bois, Marcus Garvey, Malcolm X, Martin Luther King, Jr., and Patricia Hill Collins. The second part of the course considers selected examples of how political discourse between blacks and whites has mutually shaped what is known as “black” political thought and “American” political thought.

Government 90ph. Electoral Politics in America and Japan

Catalog Number: 2135

Barry C. Burden

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of elections in the US and Japan that explores their similarities and differences in a broader comparative perspective. Much is paid to the effects of electoral laws on candidates, parties, and voters. Other topics include party systems, incumbency, strategic voting, and corruption.

[Government 90q. US-Latin American Relations]

Catalog Number: 5153

Jorge I. Domínguez

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A study of political and economic relations between the US and Latin American countries, and of the international relations of Latin America since 1945. Attention also given to foreign policy decision making in the US and Latin America, and to alternative approaches to the study of international relations and foreign policy.

Note: Expected to be given in 2004–05.

Government 90qa. Community in America

Catalog Number: 4941



Robert D. Putnam

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Has the social fabric of America's communities and the civic engagement of its citizens changed over the last generation? Why? Does it matter? What lessons might we find in American history? These questions are at the focus of this seminar.

Government 90qm. International Relations Theory

Catalog Number: 9031

Bear F. Braumoeller

Half course (spring term). Tu., 6:30–8:30 p.m. EXAM GROUP: 18

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 90qv. Democracy and the Information Technology Revolution]

Catalog Number: 6801

Michael C. Dawson

Half course (fall term). Hours to be arranged.

The revolution in information technologies has serious implications for democratic societies. We examine which populations have the most access to technology-based information sources, and how identities are being forged online. Severe tensions between national security and individual privacy rights in the US are explored. Attention is also paid to examining the relationship between the IT revolution and changing understandings of property rights. We analyze both works on the IT revolution as well the work of democratic theorists.

Note: Expected to be given in 2005–06.

Government 90rh. The Political Economy of Law

Catalog Number: 0590

Jens Meierhenrich

Half course (spring term). M., 4–6. EXAM GROUP: 9

Examining the origins of law and courts, and their effects on politics and society, this seminar introduces students to the political economy of law. It explores strategic choice and collective action in the formation, deformation, and transformation of legal norms and institutions, with particular reference to nineteenth and twentieth century Africa. By analyzing the logic of law and the forces that shape it, the seminar debates law's promise-its real and imagined place in society.

Government 90rw. Ethics and Biotechnology

Catalog Number: 9437

Michael J. Sandel

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

The seminar explores the moral and political implications of recent advances in biotechnology. Topics include cloning, stem cell research, genetic engineering, eugenics, and the patenting of



life forms.

Prerequisite: A previous course in moral reasoning or political theory recommended.

[Government 90se. Domestic Politics and the Use of Force]

Catalog Number: 0404

William G. Howell

Half course (fall term). Hours to be arranged.

Analyzes the domestic politics of international engagement. Examines how legislatures, courts, and public opinion define the range of options available to the executives who coordinate a response?military or otherwise?to perceived foreign crises. Also considers whether different kinds of crises are more or less likely to attract the attention of the federal government. While many readings focus on US foreign policymaking, connections are made to other systems of government.

Note: Expected to be given in 2005–06.

[Government 90sp. Future of War]

Catalog Number: 6012

Stephen Peter Rosen

Half course (fall term). Hours to be arranged.

Examines the character and implications of political and technological factors that could affect the future conduct of war.

Note: Expected to be given in 2004–05.

Government 90ta. Parties and Party Coalitions

Catalog Number: 7956

Torun A. Dewan

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An introduction to formal models of the process of party formation, competition between parties, the role parties play in legislatures and the process of coalition bargaining between them, with examples from the US, Europe, and elsewhere.

Government 90td. Comparative Leadership Politics

Catalog Number: 6687

Timothy J. Colton

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Do political leaders make a difference? Under what conditions do they matter more or less? How are leaders and leadership qualities formed? The course considers these questions, as played out in a variety of societies and political regimes.

[Government 90ua. Conflict Resolution]

Catalog Number: 2853

Andrew Harriman Kydd

Half course (fall term). Hours to be arranged.

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. We cover the main approaches



to conflict resolution and study some of the salient cases. Topics include: theories of conflict and conflict resolution, negotiation, the role of external powers, mediation, and peacekeeping.

Note: Expected to be given in 2005–06.

Government 90vo. Democratic Theory and the Electoral Process

Catalog Number: 3640

Dennis F. Thompson

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An exploration of the theoretical dimensions of contemporary controversies about the electoral process in the US. Among the topics considered are concepts of representation in racial districting, the meaning of free choice in a two-party system, and the limits of majoritarianism in the governance of elections. Readings in political theory and election law.

Government 90za. Political Agency

Catalog Number: 5631

Sharon R. Krause

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines the nature and sources of political agency. What motivates civil disobedience, or tireless advocacy on behalf of the oppressed, or responsible representation, or impartial deliberation, or simple voting? What forms of reason figure in political agency and what sorts of desires and emotions? What is the relationship between the motives that animate political agency and the ideals and identities that orient it? Readings include Kant, Aristotle, Hume, Arendt, Rawls, Habermas, and others.

Tutorials

***Government 91r. Supervised Reading and Research**

Catalog Number: 2444

Sharon R. Krause

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

Harvey C. Mansfield and Andrea L. Campbell

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.

Examines 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

Sharon R. Krause and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken as two half courses by juniors who have elected the honors program, but open to all junior Government concentrators. Students may take two junior tutorials (Government 98), two junior seminars (Government 90), or one of each. Enrollment determined by a lottery based on student preferences. Students planning on being off campus during part or all of junior year should see the 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

Sharon R. Krause 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). M., 4–6. EXAM GROUP: 9

An introduction to statistical research in political science. The focus is the key ideas that underlie statistical and quantitative reasoning, including such topics as probability spaces, random variables, distributions, descriptive and summary statistics, sampling, hypothesis testing, and estimation.

Note: Frequently taken by graduate students satisfying department requirements.

[Government 1001. Introduction to Quantitative Methods in Political Science]

Catalog Number: 0881

Jasjeet Singh Sekhon

Half course (spring term). Hours to be arranged.



Specifically designed for undergraduates who wish to use quantitative research methods in their own work. Topics include research design, causal inference, descriptive and summary statistics, probability, sampling, and statistical inference including estimation and tests of hypotheses. The course emphasizes multiple regression. Applications focus on a number of substantive research questions such as "How do citizens evaluate elected officials?" or "Is it really the economy, stupid?"

Note: Expected to be given in 2004–05.

Prerequisite: High school algebra.

Government 1005. The Practice of Research in Political Science

Catalog Number: 4607

Barry C. Burden

Half course (spring term). M., W., at 11. EXAM GROUP: 4

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. Students learn how to construct and test hypotheses, design research projects, and bring data to bear on political questions. The course is especially helpful to thesis writers.

Cross-listed Courses

Social Analysis 46. Thinking about Politics: A Rational Choice Approach

Primarily for Graduates

Government 2000. Introduction to Quantitative Methods II

Catalog Number: 2281

Kevin M. Quinn

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Presents an overview of social science data analysis with roots in linear econometrics.

Emphasizes technical principles, substantive questions, and use of computer programs and actual data.

Note: Intended for graduate students.

Prerequisite: Course prerequisites are calculus and matrix algebra.

[Government 2001. Advanced Quantitative Research Methodology]

Catalog Number: 8941

Gary King

Half course (spring term). Hours to be arranged.

Introduces theories of inference underlying most statistical methods and how new approaches are developed. Examples include discrete choice, event counts, durations, missing data, ecological inference, time-series cross sectional analysis, compositional data, causal inference, and others.

Note: Expected to be given in 2004–05.

Prerequisite: Government 1000 or the equivalent.

[Government 2002. Topics in Quantitative Methods]

Catalog Number: 8168



Jasjeet Singh Sekhon

Half course (spring term). Hours to be arranged.

Explores various topics in quantitative methods. Focuses on the robust estimation of generalized linear models but also covers some time series cross section methods.

Note: Expected to be given in 2004–05.

Prerequisite: Government 1000 or equivalent.

Government 2003. Hierarchical Bayesian Modeling

Catalog Number: 3713

Kevin M. Quinn

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Provides students a solid understanding of Bayesian inference and Markov chain Monte Carlo methods. Topics covered include: Bayesian treatment of the linear model, Markov chain Monte Carlo methods, assessing model adequacy, and hierarchical models.

Prerequisite: Government 1000 or the equivalent .

Government 2005. Game Theory I

Catalog Number: 1719

Christopher N. Avery (Kennedy School)

Half course (fall term). Th., 12–2 with a section to be arranged. EXAM GROUP: 14, 15

Introduction to decision theory, social choice theory, and game theory. Applications to all four subfields of political science.

Government 2006. Game Theory II

Catalog Number: 5487

Torun A. Dewan

Half course (spring term). M., 12–2. EXAM GROUP: 5, 6

Continuation of 2005.

[Government 2008 (formerly Government 2141). History, Institutions, and Political Analysis]

Catalog Number: 6266

Paul Pierson and Theda Skocpol

Half course (spring term). Hours to be arranged.

Drawing from all subfields of political science, this course examines theories and research designs attuned to issues of path dependence, historical sequence, timing, and temporal horizons. Considers approaches to analyzing institutional origins, development, and transformation.

Note: Expected to be given in 2005–06.

[Government 2009. Methods of Political Analysis]

Catalog Number: 1080

Peter A. Hall

Half course (spring term). Hours to be arranged.

Covers the issues and techniques central to designing and researching a good dissertation, whether quantitative or qualitative, including principles of research design, case selection, comparison, measurement, and causal relations, with many practical examples.



Note: Expected to be given in 2005–06. Open to all doctoral students, regardless of year, and to advanced undergraduates.

[Government 2010. Strategies of Political Inquiry]

Catalog Number: 7421

Gary King and Sidney Verba

Half course (fall term). Hours to be arranged.

Introduces how to do research?assessing scholarly literatures, identifying interesting questions, formulating research designs, learning methods, and writing up results. We discuss each for both quantitative and qualitative studies.

Note: Expected to be given in 2004–05. Primarily for graduate students; also taken by undergraduates preparing for senior thesis research.

Political Thought and Its History

For Undergraduates and Graduates

Government 1045. Political Theory and the Challenge of Cultural Diversity

Catalog Number: 4387

Pratap Bhanu Mehta (Jawaharlal Nehru University, New Delhi)

Half course (spring term). M., W., at 10; W., at 6. EXAM GROUP: 3

Examines the ways in which the canonical texts of political theory have dealt with the fact of cultural diversity. How has diversity been explained? What are the appropriate moral responses to the fact of diversity? Readings include Montaigne, Hegel, Kant, Herder, Huntington, etc.

Government 1056. Identity Politics: Pluralism and Democracy

Catalog Number: 3415

Nancy Lipton Rosenblum

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Examines the political theory of pluralism. What is the difference between identity politics and interest group politics? When should democracies recognize and accommodate particular religious, racial, cultural groups (or others) in awarding rights and benefits, providing exemptions from law, and guaranteeing political representation? How much self-government should groups be permitted to exercise over their members? Readings combine legal cases and historical and contemporary political theory.

Government 1060. The History of Ancient and Medieval Political Philosophy

Catalog Number: 4978

Harvey C. Mansfield and Russell Muirhead

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Philosophical debates about politics from Plato to Aquinas.

Government 1061. The History of Modern Political Philosophy

Catalog Number: 5035

Harvey C. Mansfield



Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17
Political philosophy from Machiavelli to Nietzsche.

Government 1067. Liberalism

Catalog Number: 7139

Glyn Morgan

Half course (spring term). M., W., at 12. EXAM GROUP: 5

Examines liberalism as a political doctrine. Focuses on four theorists (J. S. Mill, Friedrich Hayek, Robert Nozick, and John Rawls) and four topics (the market, the family, the state, and international society).

Government 1073 (formerly Government 90ca). Shakespeare's Politics

Catalog Number: 3168

Mary P. Nichols (Fordham University)

Half course (fall 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?

Primarily for Graduates

***Government 2030. Political Concepts: Field Seminar**

Catalog Number: 0551

Nancy Lipton Rosenblum

Half course (fall term). M., 12–2. EXAM GROUP: 5, 6

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 examines controversial cases of commodification—such as organ sales, surrogacy, biotechnology and the patenting of life forms, pollution permits, for-profit prisons, mercenary armies, and vote-selling—and considers the philosophical questions they raise.

Note: Expected to be given in 2004–05.

***Government 2035. Topics in Political Theory**

Catalog Number: 3770

Nancy Lipton Rosenblum and Glyn Morgan

Half course (spring term). W., 7–9 p.m. EXAM GROUP: 9

Advanced seminar in political theory on selected topics in contemporary political thought.



Government 2040 (formerly Government 1080). American Political Thought

Catalog Number: 8049

Russell Muirhead

Half course (fall term). W., 5–7 p.m. EXAM GROUP: 9

American political thought, with a focus on the period 1760-1865. Topics include religion, empire, revolution, rights, federalism, race, national identity, and party spirit. Readings drawn mainly from primary sources.

[Government 2046. Roman Politics and Political Thought]

Catalog Number: 7880

Richard Tuck

Half course (fall term). Hours to be arranged.

Rome was the first mass electoral democracy, whose political structures and history have been formative for all subsequent politics. We study the politics of Republican and early Imperial Rome, and the writings of their philosophers, historians, and lawyers.

Note: Expected to be given in 2004–05.

Government 2077. Thomas Hobbes

Catalog Number: 6774

Richard Tuck

Half course (spring term). Tu., 12–2. EXAM GROUP: 14, 15

Investigates the philosophy of Thomas Hobbes: his metaphysics, physics, ethics, and political theory. A wide range of his writings are studied, and placed in their historical context.

Government 2082. Marx and Marxism

Catalog Number: 2472

Richard Tuck

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

Studies the origins of Karl Marx's ideas and their connection to traditional views of democracy, property, and the economy; and how far his theories were misunderstood or misrepresented in the twentieth century.

Government 2090. Ethics and Biotechnology

Catalog Number: 0942

Michael J. Sandel

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The seminar explores the moral and political implications of recent advances in biotechnology. Topics include cloning, stem cell research, genetic engineering, eugenics, and patenting of life forms.

Cross-listed Courses

Note: These courses do *not* satisfy the political theory field requirement in Government.

Economics 2080. Economics and Politics: The Foundations of Economics in Political Theory

History 2472. Republics and Republicanism



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

Comparative Government

For Undergraduates and Graduates

Government 1100. Political Economy of Development

Catalog Number: 7687

Devesh Kapur

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Comparative analysis of political economy of development drawing on case studies from Africa, Asia, the Middle East, and Latin America.

[Government 1102. Democratization and Economic Reform]

Catalog Number: 6232

Yoshiko M. Herrera

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

***Government 1115. Collective Action, Protest Movements, and Politics**

Catalog Number: 5508 Enrollment: Limited to 15.

Grzegorz Ekiert

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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 drawn from different regions and historical periods.

Note: Preference given to seniors and juniors. Weekly meetings are divided between lecture and discussion.

Government 1140. What's Left? The Politics of Social Justice

Catalog Number: 0929

Edward S. Miliband

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

What does it mean to be on the Left today? How can we organize our societies to achieve social justice? The course debates these questions and compares recent experience of left-of-center



governments in different European nations and the US. It examines policy dilemmas confronting politicians seeking social justice amidst trends like globalization, economic insecurity and multiculturalism. And it explores innovative, feasible ideas in welfare, economy and society which can define a future for progressive politics.

Government 1150. The New Europe

Catalog Number: 6671

George W. Ross (Brandeis University)

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Theoretically-informed survey of the history and most important contemporary issues in the creation of an integrated Europe, including boundaries, economics, defense and foreign policy, governance, and the future of transatlantic relations.

Government 1170. Nation-Building and Democracy in the Development of Europe

Catalog Number: 2585

Daniel F. Ziblatt

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A survey of the creation of modern nation-states in Britain, France, Germany, and Italy from the feudal period to the 20th century, focusing on crucial developments such as the English and French Revolutions, the Industrial Revolution, national unification in 19th century Germany and Italy, and the appearance of fascism in the 20th century. Emphasizes the usefulness of comparative, historical analysis for understanding contemporary politics.

***Government 1197 (formerly *Government 90km). The Political Economy of Africa**

Catalog Number: 9130 Enrollment: Limited to 20.

Robert H. Bates

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Covers recent writings on the politics and economics of Africa. Emphasis placed on recent writings on political reform (democratization), state disintegrations, and violence. Students to attend lectures of Social Analysis 52.

[*Government 1203 (formerly Government 2203). Political Transitions in East Central Europe]

Catalog Number: 7078 Enrollment: Limited to 15.

Grzegorz Ekiert

Half course (fall term). Hours to be arranged.

Examines three critical periods in post-1945 East European politics: the imposition of communist regimes, crises of de-Stalinization, and the collapse of these regimes in 1989. The recent literature on regime change and democratization provides the framework for analysis of these developments.

Note: Expected to be given in 2004–05. Preference given to juniors and seniors. Weekly meetings are divided between lecture and discussion.

Government 1243. Russian Politics in Transition

Catalog Number: 1982

Timothy J. Colton



Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

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 2004–05.

Government 1273. The Political Economy of Japan

Catalog Number: 1365

Margarita Estevez-Abe

Half course (spring term). Tu., Th., at 11; Th., at 12; W., at 1; Th., at 2; F., at 11; Th., at 12.

EXAM GROUP: 13

Examines the history of Japan's political economy, its recent success and its current problems. Why did Japan succeed in becoming the first non-Western society to industrialize? Did Japan develop a particular brand of capitalism? What role did the political system play? How is Japan adjusting to new challenges?

Government 1280. Government and Politics of China

Catalog Number: 1643

Elizabeth J. Perry

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

General introduction to the politics of contemporary China. Basic objectives are to provide a working knowledge of Chinese political programs and practices, and to encourage a critical evaluation of the positive and negative aspects of China's socialist experiment.

Government 1295. Comparative Politics in Latin America

Catalog Number: 4241

Steven R. Levitsky

Half course (spring term). M., W., 2–3:30, and a section to be arranged. EXAM GROUP: 7, 8

Examines dynamics of political and economic change in modern Latin America, focusing on Argentina, Brazil, Chile, Mexico, Peru, and Venezuela. Key topics include the rise of populism and import-substituting industrialization, revolutionary movements, the causes and consequences of military rule, democratization, the politics of economic reform, and the emergence of indigenous and other "new" social movements. The course analyzes these phenomena from a



variety of different theoretical perspectives, including cultural, dependency, institutionalist, and leadership-centered approaches.

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-71. Constitutionalism](#)

[Historical Study A-73. The Political Development of Western Europe]

[Historical Study B-64. The Cuban Revolution, 1956-1971: A Self-Debate](#)

[Social Analysis 52. The Political Economy of Development](#)

Primarily for Graduates

[*Government 2105. Comparative Politics: Field Seminar](#)

Catalog Number: 0154

Torben Iversen and Devesh Kapur

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Surveys topics in comparative politics (both the developed and the developing world), including the rise of the modern state; institutions of government; interest mediation; democracy and authoritarianism; revolution; political parties; mass and elite political behavior.

Note: Preference given to Government concentrators. Course will be offered again in the fall term of 2004-05.

[Government 2114. The Political Economy of Development]

Catalog Number: 7029

Robert H. Bates

Half course (fall term). Hours to be arranged.

Students attend lectures of Social Analysis 52 and then meet as a separate seminar. The readings and discussion focuses on the political economy of agriculture and industrialization; of ethnicity and political conflict; and of state formation and political collapse.

Note: Expected to be given in 2004–05.

[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 2004–05.

[Government 2138. Gender, Markets and Politics](#)

Catalog Number: 2747



Margarita Estevez-Abe

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Women in different countries fare better or worse in terms of their family life, work life, and political life. Examines the causes underlining these differences.

Note: Open to qualified undergraduates.

[*Government 2140. Identity in History and Politics]

Catalog Number: 7502

Yoshiko M. Herrera, Alastair Iain Johnston, and Terry D. Martin

Half course (spring term). Hours to be arranged.

Analyzes the concept of identity in social science, especially history and political science.

Focuses on defining identity more precisely and exploring new measurement techniques.

Examines classic works on ethnic, class, gender, religious, and transnational identity.

Note: Expected to be given in 2004–05.

[Government 2148. Civil Society, West and East]

Catalog Number: 4675

Susan J. Pharr and Grzegorz Ekiert

Half course (fall term). Hours to be arranged.

Focusing in particular on European and Asian settings, the seminar examines debates over what civil society is, notions of public space and social capital, and the role of civil society in political transitions.

Note: Expected to be given in 2004–05.

[*Government 2158. Political Institutions and Economic Policy]

Catalog Number: 6448 Enrollment: Limited to 16.

Jeffrey Frieden and Kenneth A. Shepsle

Half course (fall term). Hours to be arranged.

We explore the role of political institutions in the formation, implementation, and regulation of economic policy. Theories from positive political theory and comparative and international political economy are examined and applied to substantive issue areas.

Note: Expected to be given in 2004–05.

[*Government 2160. Politics and Economics]

Catalog Number: 7780

James E. Alt

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, covering a variety of methodological perspectives. The topical emphasis is on democracy, accountability, inequality, redistribution, and growth.

Note: Expected to be given in 2004–05.

Government 2162. 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. This year, the focus will be on demography (the size and composition of populations and the structure of the family); its impact and politics; and the impact of politics on it.

Government 2200. Global Islam

Catalog Number: 4176 Enrollment: Limited to 20.

Jocelyne Cesari (University of Aix-en-Provence, France)

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Analyzes the emergence, development and increasing influence of contemporary forms of Islamic engagement and thinking such as the Muslim Brothers, or Al Qaeda, that are not limited to a particular country or ethnic/cultural group.

Note: Open to undergraduates. Offered jointly with the Divinity School as 3880. Course meets at the Divinity School.

Government 2213. Comparative Politics of Post-Socialism

Catalog Number: 6876

Timothy J. Colton and Grzegorz Ekiert

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

A research seminar designed to define an agenda for the comparative analysis of political developments among post-socialist systems. Emphasis placed on the formation of research proposals, methods of analysis, theory-building, and the presentation of comparative empirical research.

[Government 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 2004–05.

Government 2220. Political Theory and Area Studies: The Russian Case

Catalog Number: 8828

Oleg Valeryovich Kharkhordin (European University at St. Petersburg, Russia)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

Examines traditional political theory concerns, but discussed in the context of a specific geographic area or culture. Topics include the state, civil society, nation, public and private, collective and individual, republicanism, political friendship.

Government 2262. Politics and Political Economy in Japan

Catalog Number: 7446

Susan J. Pharr

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Japanese politics and political economy in comparative perspective. Analyzes the: 1955 system and post-1993 changes; political economy debates; changing role of parties and bureaucracy;



electoral system effects; social policy choices; and problems of marginality. Open to qualified undergraduates.

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 PRC authors have analyzed the politics of their country and comparisons with relevant Western accounts.

Note: Open to qualified undergraduates.

Prerequisite: A good reading knowledge of Chinese and previous course work on Chinese politics.

Government 2285. Political Science and China

Catalog Number: 1566

Elizabeth J. Perry

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This graduate seminar gives students control over the secondary literature on Chinese politics, with special attention to competing theoretical and methodological approaches.

***Government 2286. Research Seminar on Chinese Politics**

Catalog Number: 7361

Elizabeth J. Perry

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Focuses on primary sources for the study of Chinese politics: archives, documents, gazetteers, yearbooks, interviews, etc. Students write a major research paper, using primary sources.

Prerequisite: Government 2285.

American Government, Public Law and Administration

For Undergraduates and Graduates

Government 1300. The Politics of Congress

Catalog Number: 8868

Eric Schickler

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

A broad survey of the legislative branch of the American government. Topics include committee power, party leadership, rules and procedures, legislative elections, and inter-branch relations. We devote special attention to changes in Congress, as well as current political and scholarly controversies such as congressional war powers, the influence of parties, and campaign finance reform.

Government 1320. State and Local Politics

Catalog Number: 4610

Bertram N. Johnson



Half course (spring term). Tu., Th., at 2; Tu., at 6; Tu., at 9 p.m.; W., at 9 p.m. EXAM GROUP: 16

Examines states and localities. Considers the particular tasks and dilemmas facing states and cities, and scrutinizes the complex interactions between governments that characterize much of what occurs on the state and local level. Topics include regional political culture, intergovernmental grants, state parties, and state and local political economy.

Government 1340. The Courts and the Constitution

Catalog Number: 1721

Bertram N. Johnson

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Considers what various social scientific models of the court system, and of the Supreme Court in particular, can teach us about how the Court makes decisions on issues concerning the constitution. Topics include federalism, civil rights and liberties, and the constitutional powers of the president.

Government 1350. Political Parties and Interest Groups

Catalog Number: 8825

Terri Bimes

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Covers the historical development of parties and interest groups in the US and the ways in which parties and interest groups influence individual voting behavior, elections, and the governmental process. Also examines the proper role of interest groups and parties in a democracy from a range of different theoretical perspectives.

Government 1352. Campaigns and Elections

Catalog Number: 5665

D. Sunshine Hillygus

Half course (fall term). M., W., at 10. EXAM GROUP: 3

Examines US congressional and presidential campaigns and elections, including candidates and the incentives and constraints they face, the role of political parties, and the evolution of the presidential nomination process. Considers how voters acquire information and make vote choices. Discussion of media coverage, negative advertising, campaign finance, and electoral reform.

[Government 1355. Topics in American Politics]

Catalog Number: 4721

Scott Ashworth

Half course (fall term). Hours to be arranged.

Introduction to the study of elections. Voter behavior, candidate selection, the role of incumbency and money, “economic” voting, and the midterm balance hypothesis. Some attention is given to electoral reform. Elements of game theory and statistics introduced as needed.

Note: Expected to be given in 2004–05.



[Government 1360. American Public Opinion]

Catalog Number: 8196

Barry C. Burden

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2005–06.

Government 1365. The Media as a Political Institution

Catalog Number: 3184

Bertram N. Johnson

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Considers political science research about how the media has evolved as an institution in American history, how it interacts with public officials, and how it may or may not shape public opinion. Topics include the structure of the media, the effects of negative advertisements, and questions raised by the so-called ‘new media’.

***Government 1540. The American Presidency**

Catalog Number: 4925 Enrollment: Limited to 150. Enrollment limit applies to fall term only.

Signature of course head applies to fall term only.

Roger B. Porter (Kennedy School) (fall term) and William G. Howell (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 11:30–1; Spring: Tu., Th., at 10.

EXAM GROUP: Fall: 13, 14; Spring: 12

Fall Term: Course analyzes the development and modern practice of presidential leadership. Examines the institutional presidency, presidential selection, decision making, and the relationship of the presidency with the executive branch, Congress, courts, interest groups, the press and the public. Considers the political resources and constraints influencing the President’s ability to provide leadership in the US political system. *Spring Term:* Examines the historical and institutional foundations of presidential power; the president’s relationships with Congress, the bureaucracy, courts, interest groups, and the public; and the influence presidents wield in domestic and foreign policymaking. Special efforts will be made to incorporate theories of political organization and power that have emerged in the field of political science.

Note: During the fall term, this is offered jointly with the Kennedy School as PAL-115. Meets at FAS.

[Government 1572. Black Americans and the Political System]

Catalog Number: 5796

Michael C. Dawson

Half course (spring term). Hours to be arranged.

Focuses on how the continuing struggle for black empowerment has helped to shape both the current American political environment as well as the social and economic conditions of the black community. The unique nature of African-American politics necessitates a multi-disciplinary approach to the subject. Consequently, materials and lectures also show how the study of race relations, psychology, economics, and sociology can inform our understanding of the critical importance of black politics to American politics.

Note: Expected to be given in 2005–06.



***Government 1582. Who Are We? Issues of American National Identity**

Catalog Number: 9119

Samuel P. Huntington

Half course (fall term). W., 1–3; and a section to be arranged. EXAM GROUP: 6, 7

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 (fall term). Tu., Th., at 11. EXAM GROUP: 13

Survey of basic approaches to the study of national policy-making in the US. 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.

Cross-listed Courses

***Freshman Seminar 45g. Activism, Bargaining, Conflict: Democratic Decision Making in the United States**

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]

Primarily for Graduates

***Government 2305. American Government and Politics: Field Seminar**

Catalog Number: 2305

Barry C. Burden and Eric Schickler

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

Designed to acquaint PhD candidates in Government with a variety of approaches that have proved useful in examining important topics in the study of American government and politics.

Government 2310 (formerly Government 2113). Social Capital and Public Affairs: Research Seminar

Catalog Number: 7051

Robert D. Putnam

Half course (fall term). W., 2:10–4. EXAM GROUP: 7, 8

Topics in the relationship between politics and civil society in the US.

Note: Offered jointly with the Kennedy School as API-420. Meets at the Kennedy School.



[Government 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 2004–05. Open to qualified undergraduates.

[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 employing an institutionalist and developmental approach sensitive to processes and structural transformations. Examines empirical studies of changing state capacities, public policies, and patterns of civic engagement and interest intermediation.

Note: Expected to be given in 2004–05.

[Government 2335. Power in American Society]

Catalog Number: 2649

Jennifer L. Hochschild

Half course (spring term). Hours to be arranged.

Considers theories of power in American political science and political theory, and uses in understanding political stratification. Attention to power based on race, gender, class, and institutional frameworks; discussion of measuring and conceptualizing power; also attention to normative issues underlying particular theories of power.

Note: Expected to be given in 2005–06.

***Government 2340. Proseminar on Inequality and Social Policy II**

Catalog Number: 5491

Torben Iversen and William Julius Wilson

Half course (spring term). M., 2:10–4. EXAM GROUP: 7, 8

Considers the effects of policies and institutions in creating or reducing inequality in the US and other advanced democracies, as well as the reciprocal effects of inequality on political activity and policy choices.

Note: Offered jointly with the Kennedy School as HLE-512. Meets at the Kennedy School. Cannot be used toward satisfaction of Departmental requirement of 8 half-courses in Government.

[Government 2392. American Political Ideologies]

Catalog Number: 6079

Jennifer L. Hochschild

Half course (spring term). Hours to be arranged.

Combines American political thought and history—canonical works (Federalist Papers, Tocqueville, Lincoln) are read for their explicit philosophy as well as assumptions about power and status. Also examines the social, economic, and political context of the writings.

Note: Expected to be given in 2004–05.



Government 2470. Political Behavior

Catalog Number: 3591

Andrea L. Campbell and D. Sunshine Hillygus

Half course (spring term). Hours to be arranged.

An examination of mass and elite political behavior in the US, with an emphasis on elections, voting behavior, political participation, political inequality, and political organizations.

***Government 2490. Educational Politics and Policy**

Catalog Number: 3399

Paul E. Peterson and William G. Howell

Half course (fall term). Tu., 2:10–4. EXAM GROUP: 16, 17

Examination of alternative qualitative and quantitative approaches to the study of educational policy and government. Background in statistics expected.

Note: Permission of instructor required for all students who are not graduate degree candidates in the FAS Department of Government. Offered jointly with the Kennedy School as HLE-348.

Meets at the Kennedy School.

[Government 2505. Inter-Institutional Dynamics in American Politics]

Catalog Number: 4546

William G. Howell

Half course (spring term). Hours to be arranged.

Examines the relationships between the president, Congress, judiciary, and bureaucracy, and the strategies each employs to affect political outputs. Emphasis is placed on testing theories of lawmaking and political organization.

Note: Expected to be given in 2005–06.

***Government 2575. Research in African-American Politics**

Catalog Number: 7245 Enrollment: Limited to 20.

Michael C. Dawson

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

A research-oriented course focused on African-American politics. A central theme is how the intersection of structures of gender, class, and race influence black politics. Both quantitative and qualitative approaches considered.

Cross-listed Courses

Government students interested in taking the following course must consult with the Director of Graduate Studies:

***Sociology 296a. Proseminar on Inequality and Social Policy I**

International Relations

For Undergraduates and Graduates

[Government 1730. War and Politics]

Catalog Number: 6806



Stephen 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 2004–05.

[Government 1735. Arms and Arms Control]

Catalog Number: 1366

Andrew Harriman Kydd

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

Government 1740. International Law

Catalog Number: 7406

Beth A. Simmons

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to public international law for students of international relations. The primary purpose is to enhance students' understanding of the ways in which international law orders international politics. Emphasis is on the substantive rules of international law, the relationship between law and politics, and cases that illustrate the issues. Topics include international human rights law, international economic law and institutions, international environmental law, the use of force, war crimes, and terrorism.

[Government 1760. International Relations of East Asia]

Catalog Number: 2733

Alastair Iain Johnston

Half course (fall term). Hours to be arranged.

Introduction to the historical, military, political, economic, and cultural features of interstate relations in East Asia and the Pacific. The course also presents some theoretical and methodological tools for more systematic analysis of these issues. The goal is to understand changing levels of conflict and cooperation in the region.

Note: Expected to be given in 2004–05.

Government 1780. International Political Economy

Catalog Number: 0272

Jeffrey Frieden

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Analyzes the interaction of politics and economics in the international arena. Focuses on international trade, investment, monetary, and financial relations. Includes discussion of developed, developing, and formerly centrally-planned nations.



Government 1790. American Foreign Policy

Catalog Number: 8017

Robert L. Paarlberg (Wellesley College)

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Examines and explains the international actions of the US Government. Explanations drawn from history, international relations theory, and from the study of American political and bureaucratic institutions. Emphasis is placed on the recent rise of the US to a position of unprecedented military dominance, how this military power has been used, and how other states, non-state actors, or global governance institutions have responded.

Government 1885. The International Relations of the Post-Soviet States

Catalog Number: 5795

Carol R. Saivetz

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Explores the foreign policy legacies of the Soviet period and of the collapse of the USSR. Examines contemporary Russian foreign policy, including Russia's relations with Europe, the US, NATO, and China. Also looks at the policies of the other Soviet successor states and their ties to the outside world and to Russia. Among the issue areas will be NATO and EU expansion, energy cooperation, economic cooperation, the war on terrorism, and US-Russian relations.

***Government 1968. International Politics in the Middle East**

Catalog Number: 9335 Enrollment: Limited to 150.

Carol R. Saivetz

Half course (fall term). M., W., at 10. EXAM GROUP: 3

Explores the interaction between indigenous Middle East conflicts and the policies of the outside powers. Examines the roots of the Arab-Israeli-Palestinian conflict and addresses questions such as: Did the Cold War always exacerbate the local conflicts in the region or did it actually dampen and control them as well? In the aftermath of the collapse of the Oslo peace process and the events of September 11, what is the future role for the outside powers?

Government 1982. Chinese Foreign Policy, 1949–2000

Catalog Number: 8908

Alastair Iain Johnston

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

Introduction to the descriptive history of China's international relations with special focus on different theoretical explanations for changes in foreign policy behavior (e.g. polarity, history, ideology, leadership, bureaucracy, among others).

Note: No prior background in China or international relations theory required.

Cross-listed Courses

Historical Study A-51. The Modern World Economy, 1873-2000

[Moral Reasoning 28. Ethics and International Relations]

Quantitative Reasoning 38. The Strategy of International Politics

Primarily for Graduates



***Government 2710. International Relations: Field Seminar**

Catalog Number: 8310

Andrew Moravcsik and Allan C. Stam (Dartmouth College)

Half course (spring term). W., 12–2. EXAM GROUP: 5, 6

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., 10–12. EXAM GROUP: 3, 4

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 2724. European Studies: Europe-American Relations

Catalog Number: 5823

Stanley Hoffmann and Louise M. Richardson

Half course (fall term). W., 4–6. EXAM GROUP: 9

The recent issues and tensions in the relations of the US with France, the UK, Germany, and the European Union. Specialists from Europe participate throughout.

[*Government 2730. American Exceptionalism in Treaty Behavior]

Catalog Number: 5314 Enrollment: Limited to 20.

Stanley Hoffmann

Half course (spring term). Hours to be arranged.

In-depth research on cases including human rights, the International Criminal Court, the Kyoto Protocol, and weapons of mass destruction, in which the US has failed to cooperate with other nations.

Note: Expected to be given in 2004–05. Offered jointly with the Law School as 90110-31. Meets at the Law School.

[Government 2740. Models of Politics]

Catalog Number: 7181

Bear F. Braumoeller

Half course (spring term). Hours to be arranged.

Focuses on the history of, and new directions in, the quantitative study of politics, especially but not exclusively those relating to international affairs. “Quantitative” will be interpreted quite broadly to include both formalized theories and empirical/statistical testing.

Note: Expected to be given in 2004–05.

***Government 2742. Statistics and Deadly Quarrels**

Catalog Number: 4314

Bear F. Braumoeller

Half course (spring term). M., 4–6. EXAM GROUP: 9



Critical survey of statistical research on conflict and war.

Prerequisite: Two terms of statistics or equivalent or permission of instructor.

Government 2755. International Political Economy

Catalog Number: 7392

Beth A. Simmons and Lisa L. Martin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A graduate-level introduction to the theoretical and empirical literature on the political economy of international trade, monetary, regulatory, and investment policies.

[*Government 2761. International Organization]

Catalog Number: 8442

Lisa L. Martin

Half course (fall term). Hours to be arranged.

International politics increasingly means institutionalized interaction among states. We examine 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 2004–05.

[*Government 2784. Contemporary Global Politics]

Catalog Number: 1915

Samuel P. Huntington

Half course (spring term). Hours to be arranged.

Patterns of conflict and cooperation in contemporary global politics: relations among the major powers, the roles of economic, military, and “soft” power, weapons proliferation, ethnic conflicts, neo-realism, the end of history, transnationalism, and the clash of civilizations.

Note: Expected to be given in 2004–05. Open to qualified undergraduates.

Government 2785. Religion in Global Politics

Catalog Number: 4773

Samuel P. Huntington, David Little (Divinity School), and Jessica E. Stern

Half course (fall term). W., 4–6. EXAM GROUP: 9

The historical and contemporary roles of religious beliefs and religious organizations with respect to war and peace, civil conflict, national identities, legitimacy of governments, human rights, democracy, conflict management, conceptions of world order. Examines case studies.

Note: Open to qualified undergraduates. Offered jointly with the Divinity School as 2816 and with the Kennedy School as ISP-432. Meets at FAS.

***Government 2790. Central Issues of American Foreign Policy**

Catalog Number: 3567

Graham T. Allison, Jr. (Kennedy School)

Half course (spring term). M., W., 2:40–4. EXAM GROUP: 7, 8

Examination of central issues of American foreign policy today. For each issue, analysis of the international environment, identification of specific policy options, consideration of pros and



cons, reflection on processes for choice and action.

Note: Offered jointly with the Kennedy School as ISP-202. Meets at the Kennedy School.

[Government 2791. Comparative Foreign and Security Policy]

Catalog Number: 7696

Alastair Iain Johnston

Half course (fall term). Hours to be arranged.

Focus is on the theory, methods, and data used in the empirical analysis of the foreign security policies of states. Examines the sources of state preferences, the structural and domestic constraints on state action, and foreign policy change.

Note: Expected to be given in 2004–05.

Prerequisite: Prior training in international relations theory strongly recommended.

[*Government 2795. Military Organizational Politics]

Catalog Number: 9111

Stephen Peter Rosen

Half course (spring term). Hours to be arranged.

Examines organizational behavior theory with particular reference to the politics of military organizational behavior.

Note: Expected to be given in 2004–05.

***Government 2882. Chinese Strategic Thought**

Catalog Number: 1297

Alastair Iain Johnston

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

Focuses on key texts in Chinese strategic thought from the Warring States period to contemporary China. Questions include: What is security? What is the nature of conflict in human affairs? How efficacious is violence?

Prerequisite: Background in Chinese history, politics, and/or strategic studies strongly recommended.

[Government 2900. US-Latin American Relations]

Catalog Number: 8020

Jorge I. Domínguez

Half course (fall term). M., 4–6. EXAM GROUP: 9

Studies US-Latin American political, military, and economic relations and Latin American international relations. Includes foreign policy decision making in the US and Latin America and alternative approaches to the study of the subject.

Note: Expected to be given in 2004–05.

Graduate Courses of Reading and Research

***Government 3000. Reading and Research**

Catalog Number: 3391

Roderick MacFarquhar 7856, James E. Alt 1593 (on leave spring term), Scott Ashworth 3318 (on leave 2003-04), Christopher N. Avery (Kennedy School) 1554 (fall term only), Robert H.



Bates 1251, Terri Bimes 4690 (spring term only), Bear F. Braumoeller 3330 (on leave fall term), Barry C. Burden 2524, Andrea L. Campbell 2508, Daniel P. Carpenter 4509 (on leave 2003-04), Timothy J. Colton 2269, Michael C. Dawson 4434, Torun A. Dewan 4691 (spring term only), Jorge I. Domínguez 3823, Grzegorz Ekiert 2718, Margarita Estevez-Abe 3565, Jeffry Frieden 1627, Andrea M. Gates 4694 (spring term only), Peter A. Hall 7272 (on leave 2003-04), Yoshiko M. Herrera 1622 (on leave 2003-04), D. Sunshine Hillygus 4617, Michael J. Hiscox 4104, Jennifer L. Hochschild 3785 (on leave 2003-04), Stanley Hoffmann 1757, William G. Howell 4342, Samuel P. Huntington 1765 (on leave spring term), Torben Iversen 1250, Alastair Iain Johnston 3213, Devesh Kapur 3071, Oleg Valeryovich Kharkhordin (European University at St. Petersburg, Russia) 4410 (fall term only), Gary King 1723, Sharon R. Krause 3353, Andrew Harriman Kydd 3965 (on leave 2003-04), Steven R. Levitsky 2395, Harvey C. Mansfield 1731, Lisa L. Martin 1048, Pratap Bhanu Mehta (Jawaharlal Nehru University, New Delhi) 3211 (spring term only), Jens Meierhenrich 4401 (spring term only), Edward S. Miliband 4695 (fall term only), Andrew Moravcsik 2937 (on leave fall term), Glyn Morgan 2184, Russell Muirhead 1012 (on leave spring term), Mary P. Nichols (Fordham University) 3674 (fall term only), Robert L. Paarlberg (Wellesley College) 4696 (spring term only), Elizabeth J. Perry 3074, Paul E. Peterson 2114, Susan J. Pharr 1518, Paul Pierson 2075 (on leave spring term), Robert D. Putnam 6193, Louise M. Richardson 2272 (fall term only), Stephen Peter Rosen 2721 (on leave 2003-04), Nancy Lipton Rosenblum 3786, George W. Ross (Brandeis University) 7559 (spring term only), Carol R. Saivetz 3341, Michael J. Sandel 7065, Eric Schickler 4643, Jasjeet Singh Sekhon 2244 (on leave spring term), Catherine R. Shapiro 4047, Kenneth A. Shepsle 1421, Beth A. Simmons 4487, Cindy Skach 3386, Theda Skocpol 1387 (on leave fall term), Allan C. Stam (Dartmouth College) 4689 (spring term only), Jessica E. Stern 4640 (fall term only), Christina Tarnopolsky 4362 (on leave 2003-04), Dennis F. Thompson 1426, Richard Tuck 1704, Sidney Verba 4072, and Daniel F. Ziblatt 4641

Note: Requires written work of sufficient quantity and quality so that the course is equivalent to a lecture course or a seminar. Students who want supervised reading without substantial written work should take TIME-C (catalog number 8899) instead.

***Government 3000a. Reading and Research Seminar**

Catalog Number: 4143

Members of the Department

Small seminar on special topics. May be arranged with faculty listed under Government 3000. Requires written work as does Government 3000, but also involves regular class meetings.

Research Workshops

All Department of Government graduate students who have passed generals are eligible to enroll in one of the following research workshops. Others may attend with permission of instructor.

***Government 3004. Research Workshop in American Politics**

Catalog Number: 8566

William G. Howell 4342, Paul E. Peterson 2114, Eric Schickler 4643, and Sidney Verba 4072

Full course (indivisible). F., 2–4. EXAM GROUP: Spring: 7, 8

A forum for the presentation and discussion of research in progress by graduate students (second year and above), faculty, and visiting scholars. Anyone working on contemporary American politics or on US political development welcome. Occasional presentations by invited speakers.



***Government 3005b. Research Workshop in International Relations: New Approaches to Security Studies**

Catalog Number: 1016

Bear F. Braumoeller 3330 (on leave fall term) (spring term only) and Alastair Iain Johnston 3213

Full course (indivisible). .

Research workshop for advanced graduate students working on dissertation proposals in security studies.

***Government 3006. Research Workshop in Comparative Politics**

Catalog Number: 0910

Margarita Estevez-Abe 3565, Susan J. Pharr 1518, and Robert D. Putnam 6193

Full course (indivisible). W., 4–6.

The workshop offers advanced graduate students an opportunity to present their work-in-progress, benefit from critiques of it, and discuss theoretical and methodological issues.

Note: Doctoral students from other departments and faculties admitted if space permits.

***Government 3007. Research Workshop in Political Economy**

Catalog Number: 0968

James E. Alt 1593 (on leave spring term), Robert H. Bates 1251, Jeffry Frieden 1627, Michael J. Hiscox 4104, Torben Iversen 1250, and Kenneth A. Shepsle 1421

Full course (indivisible). F., 12–2.

Intended for graduate students in the third year and above, this course welcomes scholarship of all types and on all aspects of political economy. Intended to provide a venue in which to develop and to debate work in progress.

***Government 3009. Research Workshop in Applied Statistics**

Catalog Number: 8142

Jasjeet Singh Sekhon 2244 (on leave spring term), Garrett M. Fitzmaurice (Public Health) 4067, Lee Fleming (Business School) 3839, Gary King 1723, Donald B. Rubin 7966, and Christopher Winship 3189

Full course (indivisible). W., 12–2.

A forum for graduate students, faculty, and visiting scholars to present and discuss work in progress. Features a tour of Harvard's statistical innovations and applications with weekly stops in different disciplines. Occasional presentations by invited speakers.

Health Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Committee on 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 S. Adams, Assistant Professor of Ambulatory Care and Prevention (*Medical School*)

Nancy Dean Beaulieu, Assistant Professor of Business Administration (*Business School*)

Robert J. Blendon, Professor of Health Policy and Political Analysis (*Public Health, Kennedy School*)

David Bloom, Clarence James Gamble Professor of Economics and Demography (*Public Health*)

Allan M. Brandt, Professor of the History of Science (*FAS*) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*) (*on leave spring term*)

Daniel P. Carpenter, Professor of Government (*on leave 2003-04*)

Nicholas A. Christakis, Professor of Medical Sociology (*Medical School*)

Paul D. Cleary, Professor of Medical Sociology (*Medical School*)

David M. Cutler, Professor of Economics

Norman Daniels, Professor of Ethics and Population Health (*Public Health*)

Amy C. Edmondson, Associate Professor of Business Administration (*Business School*)

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, Associate Professor of Health Decision Science (*Public Health*)

Edward Guadagnoli, Professor of Health Care Policy (*Medical School*)

James K. Hammitt, Professor of Economics and Decision Sciences (*Public Health*)

Haiden A. Huskamp, Assistant Professor of Health Economics (*Medical School*)

Gary King, David Florence Professor of Government

Karen M. 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*)

Thomas G. McGuire, Professor of Health Economics (*Medical School*)

Barbara J. McNeil, Ridley Watts Professor of Health Care Policy and Professor of Radiology (*Medical School*)

Peter J. Neumann, Associate Professor of Policy and Decision Sciences (*Public Health*)

Sharon-Lise T. Normand, Professor of Biostatistics (*Medical School, Public Health*)

Gary 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, John L. Loeb Professor of Statistics

Stephen B. Soumerai, Professor of Ambulatory Care and Prevention (*Medical School*)

B. Katherine Swartz, Professor of Health Economics (*Public Health*) (*Director of Graduate Studies*)

Kimberly M. Thompson, Assistant Professor of Risk Analysis and Decision Science (*Public Health*)

Milton C. Weinstein, Henry J. Kaiser Professor of Health Policy and Management and Biostatistics (*Public Health*) and Professor of Medicine (*Medical School*)

Alan Zaslavsky, Professor of Statistics (*Medical School*)



Richard J. Zeckhauser, Frank Plumpton Ramsey Professor of Political Economy (*Kennedy School*)

I. Undergraduate Instruction in Health Policy

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 visit website www.fas.harvard.edu/~healthplo or contact Joan Curhan, Administrative Director, Interfaculty Initiative in Health Policy at: joan—curhan@harvard.edu

Courses of Interest

[Economics 2460. Health Economics Workshop](#)

[General Education 186. Introduction to Health Care Policy](#)

[*General Education 187. The Quality of Health Care in America](#)

[Quantitative Reasoning 24. Health Economics](#)

II. Graduate Program in Health Policy

The PhD in Health Policy, awarded by the Faculty of Arts and Sciences, draws upon the resources of five faculties: The Faculty of Arts and Sciences, the School of Public Health, the Medical School, 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 five areas of policy interest: environmental health, health care services, international health, mental health, or public health.

Decision Sciences (Professor Milton C. Weinstein, Chair). Decision Sciences are the collection of quantitative techniques that are used for decision making at the individual and collective level. They include decision analysis, 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.

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.

Management (Professor Amy C. Edmondson, 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 and Professor Peter V. Marsden, Co-Chairs). 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.

Applications: The application deadline is mid-December 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

Cross-listed Courses

***Economics 3460chf. Research in Health Economics**

Health Policy 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 as HCP-597.

***Health Policy 3000. Doctoral Dissertation Research**

Catalog Number: 8422

Members of the Committee on Higher Degrees in Health Policy

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



***Health Policy 3010. Graduate Reading Course: Ethics**

Catalog Number: 9241

Norman Daniels (Public Health) 4722, Allan M. Brandt 3031 (on leave spring term), and Daniel I. Wikler (Public Health) 4844

***Health Policy 3020. Graduate Reading Course: Political Analysis**

Catalog Number: 3781

Robert J. Blendon 2712

Provides a forum for the presentation and discussion of research concerning the politics surrounding health policy. Participants 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 invited to present.

***Health Policy 3030. Graduate Reading Course: Medical Sociology**

Catalog Number: 1826

Paul D. Cleary (Medical School) 2713

***Health Policy 3040hf. Research Seminar in Health Policy**

Catalog Number: 8870

B. Katherine Swartz (Public Health) 2461

Half course (throughout the year). Hours to be arranged.

[*Health Policy 3050hf (formerly *Health Policy 3050). Racial and Ethnic Disparities in Health Care Access and Outcomes]

Catalog Number: 9717

B. Katherine Swartz (Public Health) 2461, Robert J. Blendon 2712, and David M. Cutler 2954
Half course (throughout the year). Hours to be arranged.

The seminar will focus on methodological issues connected to investigating reasons for racial and ethnic disparities in health care access and outcomes that have been observed in the US.

Note: Expected to be given in 2004–05. Faculty and graduate students in the PhD programs in health policy, social policy, sociology, economics, and government are particularly encouraged to participate.

History

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of History



Akira Iriye, Charles Warren Professor of American History, Department Chair of History
(*Chair*)
Abdul R. Abu-Husayn, Visiting Professor of History (*American University of Beirut*)
Emmanuel K. Akyeampong, Professor of History and of African and African American Studies
Catherine Allgor, Visiting Assistant Professor of History (*University of California, Riverside*)
Sven Beckert, Professor of History
Thomas N. Bisson, Henry Charles Lea Professor of Medieval History (*on leave spring term*)
David Blackbourn, Coolidge Professor of History
Ann M. Blair, Professor of History (*on leave fall term*)
Sugata Bose, Gardiner Professor of Oceanic History and Affairs (*Director of Graduate Studies*)
Daniel V. Botsman, Associate Professor of History
Vincent Brown, Assistant Professor of History
Joyce E. Chaplin, Professor of History (*Head Tutor*)
Herrick Chapman, Visiting Professor of History (*New York University*) (*fall term only*)
John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs (*on leave 2003-04*)
Lizabeth Cohen, Howard Mumford Jones Professor of American Studies
Nancy F. Cott, Jonathan Trumbull Professor of American History (*on leave 2003-04*)
Caroline M. Elkins, Assistant Professor of History (*on leave 2003-04*)
Drew Gilpin Faust, Lincoln Professor of History and Dean of the Radcliffe Institute for
Advanced Study
Ruth Feldstein, Associate Professor of History and of History and Literature
William E. Gienapp, Professor of History, Harvard College Professor
Andrew Gordon, Lee and Juliet Folger Fund Professor of History
Peter E. Gordon, Assistant Professor of History and of Social Studies
Andrea Graziosi, Visiting Professor of History (*University of Naples*) (*fall term only*)
James Hankins, Professor of History
Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and
African American Studies
Patrice Higonnet, Robert Walton Goelet Professor of French History (*on leave spring term*)
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
James T. Kloppenberg, Harvard College Professor and David Woods Kemper '41 Professor of
American 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
Elisabeth L. Laskin, Lecturer on History
John P. LeDonne,
Christopher Lee,
Jill M. Lepore, Professor of History (*on leave 2003-04*)
Mary D. Lewis, Assistant Professor of History
Charles S. Maier, Leverett Saltonstall Professor of History (*on leave fall term*)



Erez Manela, Assistant Professor of History
Jane E. Mangan, Assistant Professor of History, Associate Professor of History
Terry D. Martin, Associate Professor of History (*on leave 2003-04*)
Ernest R. May, Charles Warren Professor of American History
Michael McCormick, Francis Goelet Professor of Medieval History (*on leave fall term*)
Lisa M. McGirr, Dunwalke Associate Professor of American History
Rebecca M. McLennan, Dunwalke Associate Professor of American History and Associate Professor of Social Studies
John M. Monteiro, Visiting Assistant Professor of History, Visiting Scholar in History (*State University of Campinas, Brazil*)
Roy Mottahedeh, Gurney Professor of History (*on leave spring term*)
Afsaneh Najmabadi, Professor of History and of Women's Studies
Susan E. O'Donovan, Assistant Professor of African and African American Studies and of History (*on leave 2003-04*)
Willem Otterspeer, Erasmus Lecturer on the History and Civilization of the Netherlands and Flanders (*Leiden University*) (*fall term only*)
E. Roger Owen, A. J. Meyer Professor of Middle East History (*on leave spring term*)
Steven Ozment, McLean Professor of Ancient and Modern History
Eric W. Robinson, Associate Professor of the Classics and of History (*on leave fall term*)
Timothy M. Rowse, Visiting Professor of Australian Studies (*Australian National University*)
Judith Surkis, Assistant Professor of History and of History and Literature (*on leave 2003-04*)
Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History
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 (*on leave 2003-04*)
Susan W. Ware, Lecturer on History
John Womack, Jr., Robert Woods Bliss Professor of Latin American History and Economics

Other Faculty Offering Instruction in the Department of History

Bernard Bailyn, Adams University Professor, Emeritus and James Duncan Phillips Professor of Early American History, Emeritus
Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations
Harold Bolitho, Professor of Japanese History (*on leave spring term*)
Kathleen M. Coleman, Harvard College Professor and Professor of Latin
Albert M. Craig, Harvard-Yenching Professor of History, Emeritus, 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 Professor of American History, Emeritus, Jonathan Trumbull Research Professor of American History
David D. Hall, Professor of American Religious History on the Bartlett and the Emerson Fund



for Unitarian Universalist Studies (*Divinity School*)

Stanley Hoffmann, Paul and Catherine Buitenvliet University Professor

Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*)

Alexander Keyssar, Matthew W. Stirling, Jr. Professor of History and Social Policy (*Kennedy School*)

Nino Luraghi, Associate Professor of the Classics

Harvey C. Mansfield, William R. Kenan, Jr., Professor of Government

Thomas K. McCraw, Isidor Straus Professor of Business History (*Business School*)

John E. Murdoch, Professor of the History of Science (*on leave fall term*)

Robert A. Orsi, Charles Warren Professor of History of Religion in America (*Divinity School*)

Richard Pipes, Frank B. Baird, Jr. Professor of History, Emeritus

Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization

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 Chaplin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Limited to juniors and seniors. Students wishing to enroll must petition the Head Tutor for



approval, stating the proposed project, and must have the consent of the proposed instructor. Ordinarily, students are required to have taken some course work as background for their project.

Tutorials in History

***History 97. Sophomore Tutorial**

Catalog Number: 4469

Lizabeth Cohen, Mary D. Lewis, and T. Robert Travers

Half course (fall term). Hours to be arranged.

Introduction to the ways in which historians recreate the past. Students will read prototypes of historical genres and write their own histories in alternating sessions. Discussion sections and small tutorials.

Note: Required of, and limited to, all History concentrators in the fall term of their sophomore year.

***History 98 (formerly *History 98a). Honors Research Seminar**

Catalog Number: 3556

James Hankins, Daniel V. Botsman, Susan W. Ware

Half course (fall term; repeated spring term). Hours to be arranged.

Methods of historical research and writing.

Note: Required of, and ordinarily limited to, honors juniors concentrating in History. Must be taken in the fall unless approved by the Head Tutor for the spring term.

Prerequisite: Admission to the honors program in History.

***History 99. Tutorial — Senior Year**

Catalog Number: 5803

Joyce Chaplin and members of the Department

Full course. W., 6–9. EXAM GROUP: Fall: 9

Research and writing the senior honors essay in History.

Note: Required of, and ordinarily limited to, honors seniors concentrating 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.

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). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

Prerequisite: History 10a or equivalent.

***History 90c. Major Themes in Modern European History: Europe, the Nation, and History**

Catalog Number: 5303

Mary D. Lewis

Half course (spring term). W., 2–4; M., at 2; Tu., at 4; Th., at 4. EXAM GROUP: 7, 8

Interrogates the place occupied by the “nation” in European history. Explores how historians have interpreted “nation-building” as well as nationalism, and considers the impact that both have had on the practice of history itself. Our inquiry, while focused on the “nation,” will also engage historiographical debates on the French Revolution, liberalism, the 1848 revolutions, the role of the “state,” social and “materialist” history, imperialism, comparative history, and the so-called waning of the nation state.

***History 90d. Intellectual History**

Catalog Number: 4955

Ann M. Blair

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An introduction to the methods of intellectual history, drawing primarily on sources from early modern and modern Europe. Designed for sophomores concentrating in History, though students with similar preparation and needs may be admitted with instructor’s permission.

***History 90e. Major Themes in American Historical Writing**

Catalog Number: 4577

Lizabeth Cohen and Lisa M. McGirr

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An examination of critical themes in American historical writing from the late 17th 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 US history. Among the themes explored will be the origins of the American Revolution, the frontier, slavery, immigration, and the Cold War.

***History 90f. International Relations**

Catalog Number: 4422

Erez Manela

Half course (spring term). W., or Th., 2–4. EXAM GROUP: 7, 8

Major themes in modern international history.

***History 90g. Major Themes in World History: Colonialism, Imperialism, and Post-Colonialism**

Catalog Number: 0119

Jane E. Mangan

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A general introduction to theories of imperialism, nationalism, and post-colonialism. Case



studies to include Africa, Asia, and Latin America. Will combine the study of theory with examination of particular anti-colonial and anti-imperialist movements.

[*History 90h. Major Problems of Latin American History: Culture, Class, and Politics]

Catalog Number: 4232

Half course (spring term). Hours to be arranged.

An introduction to the history of the ways in which people in Latin America have conceptualized and lived culture, class, and politics.

Note: Expected to be given in 2004–05.

***History 90i. Major Themes in Ancient History**

Catalog Number: 4922 Enrollment: Limited to 18.

Eric W. Robinson

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

Mark A. Kishlansky, Michael McCormick, and Eric W. Robinson

Half course (fall term). M., W., (F.), at 1, and a discussion section to be arranged. EXAM GROUP: 6

A survey of Mediterranean and West European societies from Greco-Roman antiquity to the Scientific Revolution.

Note: Required of all history concentrators. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

History 10b. Western Societies, Politics, and Cultures: From 1650 to the Present

Catalog Number: 0262

Peter E. Gordon

Half course (spring term). Tu., Th., at 11; F., at 12; F., at 1; Th., at 1. 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 10c (formerly History 1954). The World in the 20th Century

Catalog Number: 1925



Charles S. Maier

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

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. Three broad themes: “Peoples and Environments”; “States and Societies”; “Culture and Values.”

History 71a. America: Colonial Times to the Civil War

Catalog Number: 6647

Elisabeth L. Laskin

Half course (fall term). Tu., Th., at 10, and a weekly section 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

Rebecca M. McLennan

Half course (spring term). Tu., Th., at 10; M., at 5, and a weekly section 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 US turned into the world’s leading economic and military power. Topics include the reconstruction of the US after the Civil War; the economic and social effects of the second Industrial Revolution; the crisis of the 1930s; and the global conflicts of the 20th century.

Ancient History

For Undergraduates and Graduates

See also Classical Archaeology 180 and 181.

History 1085. The Roman Empire, Augustus to Constantine

Catalog Number: 3109

Christopher P. Jones

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

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.

[History 1092. The Emperor Hadrian: Conference Course]

Catalog Number: 1455

Christopher P. Jones

Half course (spring term). Hours to be arranged.



The emperor Hadrian is a crucial actor in Roman imperial history, whose memory retained a firm hold on later antiquity, the Middle Ages, and modern times down to the present. We aim to build up a picture of Hadrian through his own pronouncements and the opinions of others about him (including Jewish and Christian sources), and through art, archaeology, and urbanism.

Note: Expected to be given in 2004–05.

Prerequisite: Knowledge of Greek and Latin not required; knowledge of either French or German recommended.

Cross-listed Courses

[Classics 140. The Fall of the Roman Republic]

[Classics 143. The Peloponnesian War](#)

[Historical Study B-04. Ancient Greek Democracy]

[Historical Study B-09. The Christian Revolution]

Medieval and Renaissance History

For Undergraduates and Graduates

See also Committee on Medieval Studies. Students are also directed to Divinity School courses.

[History 1101. Medieval Europe](#)

Catalog Number: 4278

Michael McCormick

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

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: 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 2004–05.

[History 1137. Cultures of Power in Later Medieval Europe: Conference Course]

Catalog Number: 1559

Thomas N. Bisson

Half course (fall term). Hours to be arranged.

Reading and discussion of great texts in their cultural contexts, including: Dialogue of the



Exchequer, Raoul de Cambrai, Joinville, Life of Saint Louis, Muntaner, Chronicle (of the Crown of Aragon), the “Way of holding Parliament”, and Christine de Pizan, Book of the City of Women.

Note: Expected to be given in 2004–05.

[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. Combines material from former courses History 1151 and 1152.

Note: Expected to be given in 2004–05. 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 (spring 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 2004–05.

History 1166. Family, Sex, and Marriage in Western Europe, East and West in the Medieval and Early Modern Period: Conference Course

Catalog Number: 2725

Steven Ozment and Angeliki E. Laiou

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Reading and discussion of major sources and studies illustrative of the development of family life in the Byzantine Empire and in medieval and early modern Western Europe, in a comparative perspective. Attention will be given to important historiographical controversies and to a variety of national traditions.

[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 2004–05.

[History 1214. History of the Soul: Conference Course]

Catalog Number: 5436

James Hankins

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

Cross-listed Courses

[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: Crisis in the Twelfth Century](#)

[Historical Study B-19. The Renaissance in Florence](#)

[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). Hours to be arranged.

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: Expected to be given in 2004–05. May not ordinarily be credited as one of the research seminars required in the first-year program.

Prerequisite: Reading knowledge of French and/or German.

[*History 2120. Problems in Byzantine History: Proseminar](#)

Catalog Number: 9720

Angeliki E. Laiou

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Graduate colloquium for students preparing for general examinations in Byzantine history. Focus on major issues and historiographical debates, 4th–12th century.



Note: May not be credited as a research seminar.

Prerequisite: Reading knowledge of French or German.

History 2122. Early Medieval History: Seminar: Communications in the Early Medieval Mediterranean

Catalog Number: 5011

Michael McCormick

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Communications, travel, and commerce in the early medieval Mediterranean. Meetings will include close philological and historical analysis of relevant Latin sources, and research papers by participants.

Prerequisite: Latin, with either German or French, is required.

***History 2124. Medieval History: Seminar**

Catalog Number: 7820

Thomas N. Bisson

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Research studies in the sources and problems of power, faith, and culture in the medieval west.

Topics for 2003-04 include: polemics of investiture and Christian reform; canonist jurisprudence.

Prerequisite: Latin and French or German; History 2101.

History 2126. Medieval Law

Catalog Number: 3140

Charles Donahue, Jr. (Law School)

Half course (spring term). Tu., 4:30–6:30. 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 2003-04: the English legal tradition.

Prerequisite: Some Latin required.

History 2271r. Topics in Byzantine History: Seminar

Catalog Number: 3868

Angeliki E. Laiou

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Topic to be announced.

Prerequisite: Reading knowledge of Greek, Ancient or Medieval, French and/or German.

[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.

Note: Expected to be given in 2004–05.

Prerequisite: Reading knowledge of Latin, German, French, and Italian.



Early and Modern Europe

For Undergraduates and Graduates

[History 1302. The Germans: From Arminius to Hitler: Conference Course]

Catalog Number: 3554

Steven Ozment

Half course (fall term). Hours to be arranged.

An analytical period survey addressing the defining experiences in collective German history and memory and what they may promise or portend for Germans today.

Note: Expected to be given in 2004–05.

[History 1309. History in Early Modern Europe]

Catalog Number: 6583

Ann M. Blair

Half course (spring term). Hours to be arranged.

We will examine the cultural significance of history as a discipline and as practice in Europe from the Renaissance to the Enlightenment. Considers the nature and purposes of different kinds of historical writing and the ways in which histories were composed, read and used. Emphasis on reading from Machiavelli, Guicciardini, Francis Bacon, Voltaire, and Gibbon.

Note: Expected to be given in 2004–05.

[History 1318. History of the Book and of Reading]

Catalog Number: 7410

Ann M. Blair

Half course (spring term). Hours to be arranged.

An introduction to the cultural history of the book and its functions as both material object and text. Major themes include the techniques of book production, authorship, popular and learned readership, libraries and censorship, with a focus on printing and developments in early modern Europe (notably in France, 16th-18th centuries).

Note: Expected to be given in 2004–05.

***History 1336. The Reign of Charles I: Conference Course**

Catalog Number: 1531 Enrollment: Limited to 12.

Mark A. Kishlansky

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

An examination of the Stuart monarchy during its most tempestuous period. Topics include court culture, religion, and the Constitution. Readings focus on the rich primary literature of the age. Original research required.

[History 1404 (formerly History 1333). European History 1848-1945]

Catalog Number: 4747

David Blackbourn

Half course (spring term). Hours to be arranged.

Examines European history from the years when Europe was dominant in the world to the end of World War II. Explores major national histories, but also considers major themes in European



history as a whole, including: industrialization and rural society, the emergence of new forms of class society, the changing position of women, nationalism and war, imperialism, communism, and fascism.

Note: Expected to be given in 2004–05.

[History 1418. Political Justice Since 1789: Conference Course]

Catalog Number: 3904

Charles S. Maier

Half course (fall term). Hours to be arranged.

Examines selected trials and debates, and some comparative and theoretical material, to open up to open up key problems in recent history as well as general legal and moral issues.

Note: Expected to be given in 2004–05.

History 1431. British History 1760-1870

Catalog Number: 3665

T. Robert Travers

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Introduction to British history from the accession of George III to Gladstone's first administration, with particular attention to political and social change. Covers war and the growth of national identity, industrial development, changing attitudes to gender and social class, and Britain's relationship with its colonies. Readings include primary texts by Burke, Paine, Wollstonecraft, John Stuart Mill, and Carlyle, as well as a variety of works by modern historians.

History 1439. India and the British Empire in the 18th Century: Conference Course

Catalog Number: 3259

T. Robert Travers

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Considers how a British trading company emerged in the late eighteenth century as a major territorial power in India. Examines the course and causes of British conquests, and the impact of these conquests both in India and in Britain. Topics include ideas of empire, the British-Indian army, the administration of law and property, 'orientalist' scholarship, and colonial towns. Emphasis on primary research based on numerous contemporary sources including parliamentary debates, travel accounts, and paintings.

History 1440. The History of Universities in the West

Catalog Number: 0635

Willem Otterspeer (Leiden University)

Half course (fall term). M., W., at 10. EXAM GROUP: 3

Examines the history of the university as a Western institution, from its medieval roots down to the present. Major themes include the evolution of curricula and teaching, students and the professoriat, and institutional structures through major changes in Western society and culture, including the Reformation, the Enlightenment, and the late 19th century which witnessed the birth of the modern research university.

History 1441. Johan Huizinga: The Varieties of Cultural History: Conference Course

Catalog Number: 7729



Willem Otterspeer (Leiden University)

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

An examination of the life and work of Johan Huizinga, an influential late nineteenth-century historian of the middle ages and early modern period. Major themes include Huizinga's redefinition of cultural history, the field of historical method, and the use of normative in turning the historical discipline into a tool of contemporary cultural criticism.

History 1450. France 1500-1715

Catalog Number: 7575

Ann M. Blair

Half course (spring term). M., W., (F.), at 11; M., at 12; W., at 12. EXAM GROUP: 4

A general survey of the history and historiography of early modern France ca. 1500-1715, with a special emphasis on topics in cultural history, including: humanism and printing; Protestantism; political thought; royal and court rituals; and the beginnings of the Enlightenment. Assigned readings from Rabelais, Montaigne, Pascal, Racine, and Voltaire among the primary sources; from Fernand Braudel, Natalie Davis, Robert Darnton among the secondary sources.

Note: All assignments in English. Primary source readings can be done in French, if interested.

History 1451. The History of France from Louis XIV to Charles deGaulle

Catalog Number: 6683

Patrice Higonnet

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

The history of France from the French Revolution to Charles deGaulle.

[History 1453. Perverse Idols: Sexuality and Politics in fin-de-siecle Europe: Conference Course]

Catalog Number: 6467

Judith Surkis

Half course (fall term). Hours to be arranged.

Examines contemporary literature, sexual science and social theory, social and cultural reform in historical context. Themes include: decadence and degeneration; sexology and sexual deviance; prostitution and moral purity; imperial exoticism, feminist and homosexual rights movements; hysteria and psychoanalysis; pro-natalism, eugenics, and racism.

Note: Expected to be given in 2004–05.

[History 1458. “French Modern”, 1848-Present]

Catalog Number: 5919

Judith Surkis

Half course (spring term). Hours to be arranged.

Examines impact of and significant responses to modernity in France from the mid-19th century forward. Themes include: republicanism and revolt; social reform and bourgeois order; population anxiety and anti-Semitism.

Note: Expected to be given in 2004–05.

[History 1459. Gender and Sexuality in Modern Europe: Conference Course]

Catalog Number: 1562



Judith Surkis

Half course (fall term). Hours to be arranged.

Examines the social organization and cultural construction of gender and sexuality in modern Europe from 1789. Major focus on France, Britain, and German-speaking countries, 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.

Note: Expected to be given in 2004–05.

[History 1463. Paris From the French Revolution Through the 19th Century: Conference Course]

Catalog Number: 6355 Enrollment: Limited to 15.

Patrice Higonnet

Half course (spring term). Hours to be arranged.

Examines the art, literature, and history of the “capital of the 19th century.” Subjects will include Balzac, Flaubert, and Baudelaire; Delacroix, Manet, and Degas; the Revolutions of 1789, 1848, and 1871.

Note: Expected to be given in 2004–05.

[History 1466. Vichy France: Conference Course]

Catalog Number: 8154

Patrice Higonnet

Half course (spring term). Hours to be arranged.

We 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.

Note: Expected to be given in 2004–05.

[History 1470a. European Intellectual History, Part I]

Catalog Number: 2572

Peter E. Gordon

Half course (fall term). Hours to be arranged.

The first half of a two-term 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.

Note: Expected to be given in 2004–05.

History 1470b. European Intellectual History, Part II

Catalog Number: 7131

Peter E. Gordon

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

The second half of a two-term survey providing an introduction to major landmarks in Continental philosophy and social theory in the modern period, beginning with Nietzsche. Focuses on the various challenges to traditional enlightenment notions of freedom and



subjectivity in psychoanalysis, Critical Theory, existentialism, French structuralism, and post-structuralism.

History 1471. The Thought of Martin Heidegger

Catalog Number: 5691

Peter E. Gordon

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

A lecture/seminar course, addressing some key themes in 20th century phenomenology, focusing chiefly on Heidegger. Consists mostly of a sustained, critical reading of Heidegger's monumental 1927 text, *Being and Time*; but we also discuss some of his later contributions to theories of technology, language, and art.

Prerequisite: At least one prior course in rationalism, political philosophy, or modern intellectual history.

***History 1476. The Frankfurt School: Conference Course**

Catalog Number: 6048 Enrollment: Limited to 20.

Peter E. Gordon

Half course (spring term). Tu., 7–10 p.m. EXAM GROUP: 18

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.

Prerequisite: European History, German Literature, or History of Philosophy course.

[History 1481. French Citizenship Since 1789: Conference Course]

Catalog Number: 5855

Mary D. Lewis

Half course (fall term). Hours to be arranged.

Examines the challenges posed to French society by the principles of citizenship that emerged from the French Revolution. Considers how abstract, "universal" ideas have been difficult to implement evenly across French society, and explores what historical circumstances have prevented particular groups from enjoying the rights associated with these principles since 1789. Focuses on gender, race and colonial status, religion, nationalism, and class. Where possible, will compare developments in France to those of other liberal democracies.

Note: Expected to be given in 2004–05.

History 1482. Capitalism and Culture in Modern Europe

Catalog Number: 4137

Mary D. Lewis

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Looks at how European communities have confronted economic and social change since the development of market capitalism. Explores the place of work, the working class, labor politics, social welfare and social conflict in everyday life from the Industrial Revolution to the Post-Industrial Age.



History 1483. French Colonial Encounters: 1870's to Present: Conference Course

Catalog Number: 0461

Mary D. Lewis

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Explores and compares three colonies in the French Empire: French West Africa, Algeria, and Indochina, considering how colonial rule was extended, how individuals responded, and what reverberations there were between colony and metropole.

***History 1491. Religion and Popular Culture in 19th-Century Europe: Conference Course**

Catalog Number: 6681 Enrollment: Limited to 15.

David Blackburn

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Explores the relationship between social and political change and popular religious practice from the French Revolution to World War I. Considers methodological problems in the study of religion and popular culture; religious revivals and popular politics; pilgrimages and prophetic movements; the relationships between class, gender, and religious culture; the feminization of religion, and the origins and resistance to the secularization of state and society. Readings include primary documents and secondary texts.

Note: Offered jointly with the Divinity School as 2265.

History 1495. World War II and Its Aftermath in European Society: Conference Course

Catalog Number: 7856

Herrick Chapman (New York University)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Explores the social and cultural history of Europe in the 1940s, with a focus on how people in Germany and France responded to moral choices during the war and questions of guilt and responsibility afterward. Special attention is also given to gender relations, America's postwar occupation of Germany, and the changing role of the state in everyday life.

History 1502. Imperial Russia

Catalog Number: 2440

John P. LeDonne

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

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. 20th-Century Ukraine

Catalog Number: 6723

Roman Szporluk

Half course (spring term). Tu., Th., at 1; Th., at 2. EXAM GROUP: 15

An introduction to main themes in Ukrainian history: 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; Ukrainians in Poland, Czechoslovakia, and Romania; from Destalinization to Independence.

History 1513. Russian Foreign Policy, 1700-1917

Catalog Number: 5176

John P. LeDonne

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

A broad survey of Russia's foreign relations during the Imperial period: Russia's expansion in three frontiers (western, southern, and eastern) and its containment by the Germanic and maritime powers. Major emphasis will be placed on learning the geography of the Eurasian continent.

Prerequisite: Some knowledge of Russian economic history is recommended.

History 1516. Nation Formation in East Europe, 1795-1921: Poland, Russia, Ukraine

Catalog Number: 5843

Roman Szporluk

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

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 1520. Soviet Decline and Collapse through Memoirs and Autobiographies, 1964-1991: Conference Course

Catalog Number: 0564

Andrea Graziosi (University of Naples)

Half course (fall term). W., 2-4. EXAM GROUP: 7, 8

Examines the memoirs and autobiographies of the Soviet Union's leaders, as well as of prominent people from different fields, during and after the collapse.

History 1531. History of the Soviet Union, 1917-1991

Catalog Number: 4501

Andrea Graziosi (University of Naples)

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Examines the history of the Soviet Union from the Russian Revolution to Gorbachev's failed reforms. Focus on the period 1928-53 when industrialization, nationalization and political terror created a distinct Soviet society and culture. Readings include novels, short stories, memoirs, Soviet propaganda, high policy deliberations, letters, journalism, songs, jokes, etc.

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., 2-4. EXAM GROUP: 16, 17

Directed reading and writing in European politics, society, and culture. For field exam



candidates, senior thesis writers, and graduate students writing dissertations.

Note: Open to advanced undergraduates with permission of instructor.

History 2312. The German Family, 1250–1750: Seminar

Catalog Number: 8806

Steven Ozment

Half course (spring term). Th., 1:30–3. EXAM GROUP: 15, 16

An introduction to research in German family history, including German script, during the late medieval and early modern periods. Both group and individual instruction.

Note: 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.

Prerequisite: Requires a basic reading knowledge of modern German.

[History 2320. Cultural History of Early Modern France]

Catalog Number: 9380

Ann M. Blair

Half course (fall term). Hours to be arranged.

Will examine different kinds of primary sources and methods of research and analysis in cultural and intellectual history of the early modern period. Emphasis will be on France 1500-1700.

Note: Expected to be given in 2004–05.

Prerequisite: Reading knowledge of French and an initial idea for the seminar paper. Students with the requisite background may write on a topic in another national context.

History 2332. 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.

[History 2342r. The French Revolution: Seminar]

Catalog Number: 1914

Patrice Higonnet

Half course (fall term). Hours to be arranged.

The history of Paris during the French Revolution.

Note: Expected to be given in 2004–05.

History 2472. Republics and Republicanism

Catalog Number: 6622

James Hankins and Harvey C. Mansfield

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Ancient and modern republics studied with a view to republican virtue, civic humanism, constitutions, and democracy. Readings include Aristotle, Machiavelli, Montesquieu, Rousseau, Tocqueville.

Note: Open to qualified undergraduates.



History 2475. Problems and Sources in Modern German History: Seminar

Catalog Number: 8355 Enrollment: Limited to 12.

David Blackburn

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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. The Soviet Union: Seminar]

Catalog Number: 7969

Terry D. Martin

Half course (fall term). Hours to be arranged.

Introduction to archival and primary sources, as well as major historiographical debates. Primary focus on major research paper.

Note: Expected to be given in 2004–05.

[History 2533. Identity in History and Politics: Seminar]

Catalog Number: 9108

Terry D. Martin

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

[History 2552. 20th-Century European History: Seminar]

Catalog Number: 3474

Charles S. Maier

Half course (fall term). Hours to be arranged.

Major themes and interpretive controversies in contemporary European history. Topic for 2003-04: To be announced.

Note: Expected to be given in 2004–05.

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 of the United States

For Undergraduates and Graduates

[History 1604. Making the American Self: Conference Course](#)

Catalog Number: 0653

Catherine Allgor (University of California, Riverside)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

We explore what it meant to be an American in the wake of the revolution, using the autobiographical writings of 19th century women and men, both famous and “ordinary.”

[History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Conference Course]

Catalog Number: 2479

Laurel Thatcher Ulrich

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

[History 1611. The Age of the Atlantic Revolutions](#)

Catalog Number: 9586

Vincent Brown

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Contemplates the Age of Revolution in the Atlantic (ca. 1760-1825) as a single sequence of radical challenges to established authority, resulting in fundamental transformations of governance throughout the Americas. Will focus on British North America, French St. Domingue, and Spanish South America, and will discuss the influence of events in Europe and the reverberations that the American revolutions had in the Old World.

[History 1612. African Diaspora in the Americas](#)

Catalog Number: 9564

Vincent Brown

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

How can we best understand the diverse cultural practices of black people in the Americas, from where did those practices derive, and how are they related to each other? We explore a history of



attempts to answer those questions, and examine ways that interpretations of the “African diaspora” have been conceived by scholars to better appreciate the complex histories of African-American cultural practices.

History 1613. Readings in North American Borderlands: Conference Course

Catalog Number: 4917

Brian E. Delay

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Explores comparatively several North American regions where Indians, Europeans, and occasionally Africans came together and forged creative relationships with each other, from the 16th through the 19th centuries.

History 1615. The Nine Lives of Benjamin Franklin: Conference Course

Catalog Number: 6296

Joyce E. Chaplin

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines some of the multiple lives that Franklin led during the eighteenth century. Students examine in depth one of these lives or identify and explore yet another, to better comprehend Franklin and the worlds in which he lived: colonial America, British empire, independent United States; books, science, popular culture; politics, war, personal improvement, and many others.

[History 1620. History of the Old South]

Catalog Number: 4210

Susan E. O'Donovan

Half course (fall term). Hours to be arranged.

Americans care about the Old South because it was the center of the nation's greatest trauma (the Civil War) and its greatest, and still most pressing, dilemma (race). We address both, while surveying the history of the Southern states from African and European settlement to the Civil War.

Note: Expected to be given in 2004–05.

History 1621. Racial Politics in American Nations: Conference Course

Catalog Number: 9916

Vincent Brown

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Examines the ways that different histories of slave emancipation, racial classification, and racial politics have shaped national ideologies and nation-building projects in three of the largest post-slave societies in the Americas: Brazil, Cuba, and the US.

[History 1622. Readings in the History of Slavery: Conference Course]

Catalog Number: 9361

Susan E. O'Donovan

Half course (fall term). Hours to be arranged.

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.”

Note: Expected to be given in 2004–05.

History 1623. The American Civil War: 1861-1865

Catalog Number: 7106

Elisabeth L. Laskin

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12, 13

An examination of the Civil War from its origins in sectional differences to its lasting impact on American society. We pay particular attention to the expectations and experiences of the black and white Americans who lived through this conflict. Topics to be covered include the origins of the war, Union and Confederate war aims and leaders, race and emancipation, the home fronts, dissent, and the war's imprint on American culture and society. This is not a course in military history.

History 1628. Novelty, Conflict, and Adaptation in the Southwest

Catalog Number: 3098

Brian E. Delay

Half course (spring term). M., W., at 11. EXAM GROUP: 4

A survey of the history of the American southwest, with an emphasis on interactions between its diverse peoples, from agricultural beginnings to c. 1900.

History 1630. The World of Little Women: Conference Course

Catalog Number: 9847

Catherine Allgor (University of California, Riverside)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Explores the historical context of the world of *Little Women*, examining issues around female education, women's suffrage, the cult of domesticity, sexuality, female reform movements, and the emergence of the public/private dichotomy. We uncover the gendered constructions of such “national” movements as Romanticism, abolitionism, and race relations, and the emerging nation.

History 1632. Gilded Age America: Economy, Society and Politics: Conference Course

Catalog Number: 4733 Enrollment: Limited to 12.

Sven Beckert

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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.

***History 1635. 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; the crisis of the sixties; the Moynihan and Kerner reports; economic and social trends since the 1960s.

History 1638. United States Social History, from 1920 to the Present

Catalog Number: 5967

Stephan Thernstrom

Half course (spring term). Tu., Th., at 11. 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 1642a. US Women's History to 1900

Catalog Number: 0487

Catherine Allgor (University of California, Riverside)

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

An examination of women's experiences from the colonial period to 1900. Focuses on real women at work, at home, and in politics. Explores the use of gender and representations of women and sexuality in public life.

History 1642b. Gender, Sexuality, and Women in the 20th-Century US: Conference Course

Catalog Number: 3607 Enrollment: Limited to 15.

Ruth Feldstein

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of masculinity, femininity and sexuality as historically specific concepts in 20th century US history, with attention to how ideas about gender and sexuality were related as women forged their own identities *and* as others sought to define them. Particular attention is paid to race in relation to gender and sexuality, and to changing beliefs about sexuality and gender in relation to political movements and ideologies.

[History 1644. Reconstruction, 1865-1877]

Catalog Number: 8635

William E. Gienapp

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

***History 1645. 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; US immigration policy; the economic and social adjustment of newcomers; the Melting Pot vs. cultural pluralism.

History 1650a. Foreign Relations of the US I

Catalog Number: 3435

Ernest R. May, Akira Iriye, and Erez Manela

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

American foreign relations from the colonial period through World War I. Topics include the transition from colonial to imperial status; the changing role of the US in international relations; interaction between domestic politics and foreign policy; political, economic, and cultural relationships between Americans and other peoples.

History 1650b. Foreign Relations of the US II

Catalog Number: 4745

Ernest R. May, Akira Iriye, and Erez Manela

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

American foreign relations since World War I. Topics include the world role of the supposedly isolated US in the interwar years, World War II, postwar “hegemony,” the Cold War, and political, economic, and cultural interaction between Americans and other peoples.

History 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. Focuses on the nature of economic change during the past 400 years and the reasons for and effects of capitalist growth. Topics include Native-American economies, the industrial revolution, slavery, the rise of new business structures, labor relations, and technological change.

History 1659. US Cultural History, Turn of the Century to Present

Catalog Number: 8905

Ruth Feldstein

Half course (spring term). Tu., Th., at 1, plus hour to be arranged for sections. EXAM GROUP: 15

We consider questions of who owns, defines and consumes “culture” in 20th-century US history. Topics include the consumption of film, literature, television, and music.

***History 1661. Social Thought in Modern America**

Catalog Number: 8440 Enrollment: Limited to 75.

James T. Kloppenberg

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An inquiry into American ideas since 1890, examining developments in political and social theory, philosophy, and literature in the context of socioeconomic change. Topics include the breakdown of Victorian idealism and laissez-faire; the emergence of social science and progressivism; conflicts over gender, race, and ethnicity; interwar cultural ferment and political



reform; post-World War II theories of consensus and 1960s radicalism; and the consequences for democracy of our contemporary culture of irony.

[*History 1662. Men, Manhood, and Masculinity]

Catalog Number: 9763 Enrollment: Limited to 15.

Nancy F. Cott

Half course (fall term). Hours to be arranged.

Examines whether men's gender can be taken seriously as historical subject matter, by investigating norms and practices from the late 18th through the 20th century in such areas as occupations, politics, family, religion, the color line, social hierarchies, and intimacy. Focuses on studies in US history in which explanation centers on men's understanding or enactment of manhood.

Note: Expected to be given in 2004–05.

[History 1665. Crime and Criminal Justice in the US, 1776-1999]

Catalog Number: 8537

Rebecca M. McLennan

Half course (fall term). Hours to be arranged.

An exploration of the social and political history of crime, criminal law, policing and punishment in the US since the Revolution.

Note: Expected to be given in 2004–05.

[History 1666. The World of William James: Conference Course](#)

Catalog Number: 9674 Enrollment: Limited to 15.

James T. Kloppenberg

Half course (spring term). Hours to be arranged.

Examines James's life and writings in relation to American and European thinkers such as his contemporaries Wilhelm Dilthey and Friedrich Nietzsche, his brother Henry James, his sister Alice James, and his students W.E.B. DuBois, Walter Lippmann, and Gertrude Stein.

[*History 1667. Imagining America, 1776-Present]

Catalog Number: 4160

Akira Iriye and Rebecca M. McLennan

Half course (spring term). Hours to be arranged.

Examines various foreign perspectives on American politics, law, and society from the 1770s to the present day. Explores the significance of the US in modern world history and the history of the US itself, with a view to discerning the unique as well as the universal character of its politics, law, and society.

Note: Expected to be given in 2004–05.

[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). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

History 1672. The United States in the 1960s

Catalog Number: 5900

Lisa M. McGirr

Half course (fall term). M., W., at 10. EXAM GROUP: 3

An introduction to the main developments in American society, culture, and politics during the premiere liberal decade of the 20th century. Topics include the New Frontier, the Great Society, the Vietnam war, the Civil Rights movement, the student movement, the counter-culture, and the rise of populist conservatism.

History 1679. Making America Modern: The US during the 1920s: Conference Course

Catalog Number: 9496

Lisa M. McGirr

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Looking at the US in the period from the Great War to the Depression, closely explores the central developments of the decade--in society, culture, and politics--to determine its contribution to the making of “modern America.”

[History 1680. The Culture and Politics of the Built Environment in the US: Conference Course]

Catalog Number: 5433

Lizabeth Cohen

Half course (spring term). Hours to be arranged.

Examines the evolution of architecture and landscape in the US over the 19th and 20th centuries for what it reveals about American attitudes and actions toward public and private life, cities and open space, government provision and private markets, and modernism and “national heritage.” Most attention will be focused on the 20th century, and students will do substantial projects based in primary research

Note: Expected to be given in 2004–05.

History 1690 (formerly History 1958). The US and Imperialism: Conference Course

Catalog Number: 7201

Erez Manela

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Explores American ideas and practices of imperialism, and anti-imperialism, in the 20th century, and their impacts on societies abroad. Topics include the US as colonial power; imperialism and anti-imperialism in American visions of international order; interactions with European imperialism; and attitudes and policies on decolonization and “nation-building” during the Cold War.

Cross-listed Courses



[Afro-American Studies 110. African-American Women's History: Seminar]

[Afro-American Studies 118. African-American History from the Slave Trade to 1900](#)

[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](#)

[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 1468 \(formerly Religion 1504\). Religion in America: From the Coming of the Europeans to the 1870s](#)

Primarily for Graduates

[History 2600. Readings in Colonial and Revolutionary America: Proseminar](#)

Catalog Number: 9176

Joyce E. Chaplin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to scholarly literature on colonial and revolutionary America. Required for History Department graduate students specializing in US history. Open to those from other fields of programs.

[History 2601. The US 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 US history.

Note: Expected to be given in 2004–05.

[History 2602. Readings in the History of the United States in the 19th Century: Proseminar](#)

Catalog Number: 2383 Enrollment: Limited to 12.

Sven Beckert

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

The second in the sequence of three proseminars required of all graduate students in American history and open to graduate students in other history fields and other departments as space permits.

[History 2606. Early American Social History: Seminar]

Catalog Number: 6049

Laurel Thatcher Ulrich

Half course (fall term). Hours to be arranged.

Research culminating in the production of a scholarly essay. Some prior knowledge of the period assumed.

Note: Expected to be given in 2004–05.



[History 2607. Readings in the United States in the 20th Century: Proseminar]

Catalog Number: 2931

Half course (spring term). Hours to be arranged.

The third proseminar required of all graduate students in American history. Readings in classics and recent monographs, with attention to politics, social life, and culture.

Note: Expected to be given in 2004–05.

[History 2610. Race in Early America: Status, Identity and Power: Seminar]

Catalog Number: 9276

Joyce E. Chaplin

Half course (fall term). Hours to be arranged.

A research seminar in American history in which each student will complete an article-length essay based on original research.

Note: Expected to be given in 2004–05.

[History 2612. 19th-Century United States: Research Seminar]

Catalog Number: 6686 Enrollment: Limited to 10.

William E. Gienapp

Half course (spring term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2004–05.

[History 2614. Readings in 19th century American History]

Catalog Number: 7963

William E. Gienapp

Half course (fall term). Hours to be arranged.

Readings in nineteenth-century US history.

Note: Expected to be given in 2004–05.

[History 2615. Early American Research Seminar]

Catalog Number: 8222

Jill M. Lepore

Half course (spring term). Hours to be arranged. EXAM GROUP: 9, 18

A hands-on research seminar, as much a meditation on the methods of historical research as an inquiry in the worlds of early Americans, where students conduct individual and collaborative research in American history before 1830.

Note: Expected to be given in 2004–05.

[History 2621hf. Film in History/Film as History]

Catalog Number: 6318

Ruth Feldstein and Laurel Thatcher Ulrich

Half course (throughout the year). Hours to be arranged.

A year-long graduate reading course taught in conjunction with the Charles Warren Center workshop on the same topic.

Note: Expected to be given in 2004–05.



***History 2640. Workshop in 20th Century US History**

Catalog Number: 0565

Lizabeth Cohen

Half course (fall term; repeated spring term). Hours to be arranged.

History 2650hf. The Political Economy of North America: Seminar

Catalog Number: 3719

Sven Beckert and Alexander Keyssar (Kennedy School)

Half course (throughout the year). M., 4–6. EXAM GROUP: 9

A year-long research and reading course taught in conjunction with the Charles Warren Center workshop on the same topic.

[History 2661. Graduate Readings in 20th-Century African-American History]

Catalog Number: 9004

Evelyn Brooks Higginbotham

Half course (spring term). Hours to be arranged.

Covers key literature on themes and developments shaping the national experience of African Americans from Redemption to the emerging multi-racial Republic.

Note: Expected to be given in 2004–05.

***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.

History 2664. Race and African-American Intellectual History: Seminar

Catalog Number: 6804

Evelyn Brooks Higginbotham

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

A research seminar in African-American intellectual history.

***History 2671. American Social History: Seminar**

Catalog Number: 0969

Stephan Thernstrom

Half course (fall term). Hours to be arranged.

Topic to be announced.

History 2681. International Relations of the US: Seminar

Catalog Number: 8886

Ernest R. May

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Research seminar focused on aspects of the Cold War, including its background in the period, 1917-1945.

Cross-listed Courses



[Economics 2330. The Development of the American Economy]

[*Economics 2339. The Economic History Workshop](#)

History of Latin America

For Undergraduates and Graduates

[History 1741. Gender and History in Latin America]

Catalog Number: 1467

Jane E. Mangan

Half course (spring term). Hours to be arranged.

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 conquest, slavery, paternalism, honor, religion and social control, social change, the law, labor, sexuality, and migration.

Note: Expected to be given in 2004–05.

[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). Th., 1–3. EXAM GROUP: 15, 16

We study 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.

[History 1745. Major Problems of Colombian History, 1526-2004: Conference Course](#)

Catalog Number: 0100

John Womack, Jr.

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Focus on Latin America's most diversely divided country, from the first native establishments to the current civil wars. Topics include historical geography, empire, class and cultural conflicts, progress and control, imperialism, god(s), the devil(s), guns, drugs, cash, and revolution.

Prerequisite: At least one non-tutorial course on Latin America by a member of the Department.

[History 1756. The Cold War in Latin America: Conference Course]

Catalog Number: 9875

John H. Coatsworth

Half course (spring term). Hours to be arranged.

Examines the international history of Latin America during the Cold War from 1948 to 1990, with a focus on Latin America's relations with the US and an examination of episodes of intervention and confrontation in the Caribbean basin as well as the forging of alliances and organizations that embodied and projected US power in the entire region.

Note: Expected to be given in 2004–05.

[History 1757. History of Latin America to 1825](#)

Catalog Number: 5991

John M. Monteiro (State University of Campinas, Brazil)



Half course (fall term). M., W., at 11; plus section to be arranged. EXAM GROUP: 4
Survey of Latin America from pre-colonial times to 1825. Focus on Mexico, the Andes, and Brazil.

[History 1758. Latin America from Independence to 1914]

Catalog Number: 5574

John H. Coatsworth

Half course (fall term). Hours to be arranged.

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 I. 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 given in 2004–05.

History 1759. The History of Latin America, 1914-2004

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.

History 1761. Slavery in Brazil: Conference Course

Catalog Number: 2985

John M. Monteiro (State University of Campinas, Brazil)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Broad, critical overview of current perspectives on indigenous and African slavery in Brazil, from the early colonial period to abolition in 1888.

Primarily for Graduates

***History 2781. Modern Mexican History: Seminar**

Catalog Number: 5731 Enrollment: Limited to 12.

John Womack, Jr.

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Topics for 2003-2004: Industrial development; industrial labor markets and industrial work; industrial divisions of labor and strategic positions; 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). Hours to be arranged.

Examines the evolution of the Latin American economies from the colonial era to the 20th century.



Note: Expected to be omitted in 2003–04. Expected to be given in 2004–05. Open to undergraduates with permission of instructor. Spanish or Portuguese helpful but not required.
Prerequisite: Rudimentary economics, and some Latin American history.

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). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

History 1821. Modern Vietnam

Catalog Number: 8192

Hue-Tam Ho Tai

Half course (spring term). Tu., Th., at 2. EXAM GROUP: 16

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 1824. The Emergence of Modern China

Catalog Number: 0171

Philip A. Kuhn

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Chinese are deeply conscious of the historical origins of their present-day society. Two centuries of foreign conflict, domestic rebellion, cultural transformation and nation building have shaped their society and politics. We trace the roots of modern China through writings of Chinese themselves about how they have viewed their world. Readings and discussions emphasize primary sources in translation.

Note: No prior study of Chinese history necessary.

History 1834. The Chinese Overseas: Conference Course

Catalog Number: 2606

Philip A. Kuhn

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

In modern times, Chinese migrants have settled in more than 100 countries worldwide and have



contributed significantly to the integration of the world economy. Their struggles to find a future in their adopted lands is a major theme in modern history. Explores aspects of Chinese emigration, including “globalization” and migration; colonial and post-colonial societies in Southeast Asia; the Americas, Europe, and Australasia; Chinese economic enterprise; and the changing role of China itself.

Note: An oral report and final paper are required.

History 1843. Imperial Japan and the US: Conference Course

Catalog Number: 3802

Andrew Gordon

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

The emergence of Japan as an imperial power in the early 20th century, with particular attention to efforts to build cultural and economic, as well as political relations to the US, and to the creation of the Japan Society of Boston 100 years ago (1904). Draws on English language archival materials at Harvard and the Boston area for student research projects.

History 1844. Governing Indigenous Australians

Catalog Number: 4716

Timothy M. Rowse (Australian National University)

Half course (fall term). M., W., at 11, Th., at 1. EXAM GROUP: 4

A review of the main features of the variety of institutions and legal regimes that colonial Australia developed to manage the remnant Indigenous people, including Christian missions, secular settlements, family intervention, land reservations, employment, and welfare support. Focuses on the European humanitarian imagination and its practical realizations, from 1788 to the present.

History 1845. Australian Indigenous Autobiography: Conference Course

Catalog Number: 1299

Timothy M. Rowse (Australian National University)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Explores Indigenous perspectives on Australian history, focusing on the problem of “subaltern history.” References films in which Indigenous discourse is prominent, and paintings and songs that can be read as expressing Indigenous historical consciousness. Comparisons will be made with other settler colonial societies, particularly Anglophone ones.

[History 1851. 20th-Century Japan: Conference Course]

Catalog Number: 8696

Andrew Gordon

Half course (spring term). Hours to be arranged.

Japan’s emergence as a world power and the Japanese experience of modernity. Politics, social movements, and culture of the imperial era; the experience of World War II and postwar occupation; the “economic miracle” and postwar political economy; social and cultural transformation. From the 1980s boom to the 1990s bust; the early end to the Japanese century?

Note: Expected to be given in 2004–05.



History 1854. Gender and Japanese History: Conference Course

Catalog Number: 5348 Enrollment: Limited to 15.

Daniel V. Botsman

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Focuses on the experiences of women, and issues of gender and sexuality to explore important aspects of Japanese social history in the modern era. Specific topics will include the usefulness of individual life stories for understanding history; the value of anthropology and ethnography as complements to historical research; the history of sexuality; the place as prostitution in Japanese society and the rise of the ‘Geisha’; and the issue of Japan’s wartime “comfort women.”

Prerequisite: At least one course on either Japanese History or Gender History.

[History 1874. The Middle East During the First Wave of Modern Globalization, 1870-1920: Conference Course]

Catalog Number: 2291

E. Roger Owen

Half course (fall term). Hours to be arranged.

Examines the place of the Middle East during the first wave of modern globalization. Explores the sources of world market integration, the impact of trade, the role of foreign lending and the new flows of capital, commerce and international migration. Analyzes the impact of formal and informal empire in the Middle East, the role of government, the development of transport, the changing role of port cities and provincial capitals, emigration, and the impact of World War I.

Note: Expected to be given in 2004–05.

[History 1877a. History of the Near East, 600-1055: Conference Course]

Catalog Number: 1770

Roy Mottahedeh

Half course (spring term). Hours to be arranged.

A survey of the history of the Near East and North Africa from the rise of Islam in the 7th century to the Turkish ascendancy in the mid-11th century. Includes Muhammad and his community, Arab conquests, Umayyads and Abbasids, sectarian movements, minority communities, government and religious institutions, relations with Byzantium and the Latin West.

Note: Expected to be given in 2004–05.

[History 1877b. History of the Near East, 1055–1517: Conference Course]

Catalog Number: 3026

Roy Mottahedeh

Half course (spring term). Hours to be arranged.

Surveys history of the Near East from the coming of the steppe peoples to the Ottoman conquest of Egypt. Includes Seljuks, Crusades, Mongols, and the fall of the Abbasid caliphate, Mamluks, the development of Mediterranean and Indian Ocean trade, and the Timurids and their successors.

Note: Expected to be given in 2004–05.

Prerequisite: 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 2004–05.

History 1878b. Ottoman State and Society II (1550–1920)

Catalog Number: 6470

Cemal Kafadar

Half course (fall term). Tu., Th., (F.), at 11. EXAM GROUP: 13

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). Hours to be arranged.

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 given in 2004–05.

[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 (fall 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.

Note: Expected to be given in 2004–05.

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). Hours to be arranged.



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.

Note: Expected to be given in 2004–05.

[History 1895. The Indian Ocean in Comparative Perspective: Conference Course]

Catalog Number: 8123

Sugata Bose

Half course (fall term). Hours to be arranged.

Explores the history of the Indian Ocean inter-regional arena in the comparative context of histories of the Atlantic, Mediterranean and the Pacific worlds from the 1490s to the 1990s. The changing meanings of sovereignty, religiously informed universalisms and the links forged by intermediary capital and migrant labor in the age of global empire.

Note: Expected to be given in 2004–05.

History 1897. Nation, Reason and Religion in South Asia

Catalog Number: 1447

Sugata Bose

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Examines the connections between nation, reason and religion in South Asian political thought and practice. Precolonial patriotisms, rational and religious reforms, colonial modernity and anti-colonial nationalisms, visions of nationhood and forms of state power, and post-colonial nationalisms for and against the state.

[History 1902. Alcohol in Sub-Saharan Africa, 1850 to the Present: Conference Course]

Catalog Number: 2765

Emmanuel Akyeampong

Half course (spring term). Hours to be arranged.

Examines the uses and meanings of alcohol in precolonial and rural Africa, its place in European-African trading contacts, and its role in the process of colonization.

Note: Expected to be given in 2004–05.

History 1903. History of Modern Africa, 1852-1994

Catalog Number: 3725

Christopher Lee

Half course (spring term). Tu., Th., at 12; F., at 12; F., at 2. EXAM GROUP: 14

Explores events and processes leading to the colonization of Africa and subsequent changes in African societies under the colonial rule, with a focus on African initiatives in a rapidly changing political, economic, social, and ideological context.

History 1907. West Africa from 1800 to the Present

Catalog Number: 4650

Emmanuel K. Akyeampong

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

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.

History 1908. Rethinking Gender in African History: Conference Course

Catalog Number: 4526

Emmanuel K. Akyeampong

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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.

History 1909. South Africa in the Twentieth Century

Catalog Number: 4585

Christopher Lee

Half course (fall term). M., W., at 12. EXAM GROUP: 5

An introductory course on the history of modern South Africa from the mineral revolution of the late 19th century to the end of apartheid in 1994. Explores themes of white settlement, economic development, and the implementation of modern segregation policies that culminated in the system of apartheid. Focus is placed on black resistance and the struggle to achieve political equality.

[History 1911. A History of Southern Africa]

Catalog Number: 6238

Caroline M. Elkins

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

[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 2004–05.



[History 1915. Christianity in Sub-Saharan Africa: Conference Course]

Catalog Number: 6769

Caroline M. Elkins

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

[History 1922. Protest, Rebellion and Power in East African History: Conference Course]

Catalog Number: 8459

Caroline M. Elkins

Half course (spring term). Hours to be arranged.

Examines African responses to the imposition of colonial rule and to the impact of the post-colonial period in the countries of Kenya, Uganda, Tanzania, and Rwanda. Themes include initial African resistance to colonial rule, organized protests and violent rebellion against colonial institutions, and post-colonial struggles for power in the region. Case studies include popular rebellion in Zanzibar, the Mau Mau Emergency, the regime of Idi Amin, and the Rwandan genocide.

Note: Expected to be given in 2004–05.

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 BC-AD 755]

[Chinese History 116c. Modern Chinese Intellectual History]

[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 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]

[Japanese History 111a. Ancient and Medieval Japan: Conference Course]

[Japanese History 116b. History of Japanese Religions: Conference Course]

[Korean History 111. Traditional Korea]

[Korean History 118. History of the Chosôn Dynasty: Conference Course](#)

[Literature and Arts C-40. The Chinese Literati]

[Literature and Arts C-42. Constructing the Samurai](#)

[Persian 150r. Readings in Persian Historians, Geographers and Biographers]

Primarily for Graduates



History 2830a. Late Imperial and Modern Chinese History: Proseminar

Catalog Number: 6453

Philip A. Kuhn

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 (throughout the year). Hours to be arranged.

Primary research on selected topics in Chinese history since the 17th century. Consult instructor for details of the current research topic.

Note: Expected to be given in 2004–05. Intended for graduate students with a reading knowledge of Chinese.

History 2847. 20th-Century China: Seminar

Catalog Number: 0279

William C. Kirby

Half course (fall term). M., 4–6. EXAM GROUP: 9

For graduate students pursuing original research in Chinese history of the 20th century.

Introduction to major research aids and published documentary collections.

Note: Expected to be omitted in 2004–05.

Prerequisite: Reading knowledge of Chinese.

[History 2848a. Introduction to Archival Research in Chinese History: Seminar]

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 2004–05. 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 2004–05.

Prerequisite: History 2848a or equivalent.



***History 2851. Japanese History: Seminar**

Catalog Number: 5146 Enrollment: Limited to 15.

Andrew Gordon, Harold Bolitho, and Daniel V. Botsman

Half course (fall term). W., 1–3:30. EXAM GROUP: 6, 7, 8

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 2004–05.

History 2883. Arabic Sources in the Ottoman Period: Seminar

Catalog Number: 5856

Abdul R. Abu-Husayn (American University of Beirut)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Considers various types of printed and manuscript sources in Arabic, notable chronicles, deeds of pious foundations (waqfs), literary works, and court records.

History 2884. Topics in Ottoman Social and Cultural History: Seminar

Catalog Number: 3762

Cemal Kafadar

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Topic to be announced.

Prerequisite: Reading knowledge of Turkish.

[History 2886r. Topics in Islamic History: Seminar]

Catalog Number: 3470

Roy Mottahedeh

Half course (fall term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2004–05.

History 2887a. Debates in the Economic and Social History of the Middle East: Seminar

Catalog Number: 1352

E. Roger Owen

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Major debates concerning analysis of modern economic and social transformation of the Middle East including issues of class and community, popular movements, landed property, the impact colonialism and state/society relations.

[History 2887b. Debates in the Political and Ideological History of the Middle East: Seminar]



Catalog Number: 4102

E. Roger Owen

Half course (spring term). Hours to be arranged.

Major questions and debates in modern Arab political and ideological writings including Orientalism, Arab and local nationalism, religious revival, power and authority, and the difficulties of establishing democratic institutions.

Note: Expected to be given in 2004–05.

History 2892. Colonial and Post-Colonial Histories of South Asia

Catalog Number: 8502

Sugata Bose

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Analyzes trends and debates in historical research and writing on colonial and post-colonial South Asia.

History 2908. Sources, Methodology, and Themes in African History: Seminar

Catalog Number: 5861

Emmanuel K. Akyeampong

Half course (spring term). W., 4–6. EXAM GROUP: 9

Seminar to equip graduate students with the necessary tools for archival research and fieldwork, as well as to introduce them to recent approaches in the historiography.

[History 2909. Themes in Modern Sub-Saharan African History: Proseminar]

Catalog Number: 5840

Caroline M. Elkins

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2004–05. Open to undergraduates with permission of instructor.

Cross-listed Courses

Chinese History 211. Research on Chinese History and Civilization: Tools and Methods

[Chinese History 226. Introduction to Sources for Local History]

Chinese History 227r. Topics in Middle-Period Sociocultural History: Seminar

[Chinese History 235. Topics in Warring States History: Seminar]

Chinese History 251. Confucian Ethics: Conference Course

[Korean History 230r. Readings in Premodern Korean History]

***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 (spring 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 2004–05.

History 1983. Reasoning From History: Conference Course

Catalog Number: 7888

Ernest R. May and Alexander Keyssar (Kennedy School)

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Uses of history in policy analysis and decision-making. Primarily discussion of case studies.

Note: Offered jointly with the Kennedy School 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: Open to undergraduates with permission of 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 2910. Feminist Theory and Historiography: Proseminar

Catalog Number: 8131 Enrollment: Limited to 15.

Afsaneh Najmabadi

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An introduction to feminist contributions to “doing history” otherwise. Will review major feminist theoretical propositions and proceed to re-stage the theoretical debates within feminist historiography.

Graduate Courses of Reading and Research

***History 3910. Writing History: Approaches and Practices**

Catalog Number: 1358



*Patrice Higonnet 2730 (on leave spring term) and Sugata Bose 3960
Half course (fall term). M., 2–4.*

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 1951. 19th-Century Capitalism: Great Britain, the US, Germany, and Japan: Conference Course]

Catalog Number: 9007 Enrollment: Limited to 15.

Sven Beckert

Half course (spring term). Hours to be arranged.

An in-depth exploration of the development of capitalism in four of the main economic powers of our times: Great Britain, the US, Germany, and Japan.

Note: Expected to be given in 2004–05.

[History 1955. Comparative Labor History: Conference Course]

Catalog Number: 1204

Andrew Gordon

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

[History 1957. International Society: Conference Course]

Catalog Number: 3056

Erez Manela

Half course (spring term). Hours to be arranged.

An introduction to the development of ideas and institutions of international society in the 20th century, covering the Wilsonian moment, the League of Nations, internationalist ideologies and movements, the United Nations system, human rights, decolonization and development, and non-governmental organizations.

Note: Expected to be given in 2004–05.

History 1960. Punishment and the Modern World: Conference Course

Catalog Number: 2856

Rebecca M. McLennan

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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. Attempts to develop a global perspective by reading historical studies about a broad range of societies. Beginning with the ideas and reforms of Enlightenment Europe, considers the rise of the prison, the transformation of corporal punishment, transportation, and the practice of punitive exile.



[History 1963. Cold War Crises: Conference Course]

Catalog Number: 6643 Enrollment: Limited to 12.

Ernest R. May

Half course (spring term). Hours to be arranged.

We focus on three crises of the Cold War: Berlin, 1948-49; Suez, 1956; and Berlin/Caribbean missiles, 1961-62. Discussion compares not only the crises but types of historical sources and problems involved in analyzing collective memory.

Note: Expected to be given in 2004-05.

[History 1982. New Global History: An Introduction]

Catalog Number: 0485

Akira Iriye

Half course (fall term). Hours to be arranged.

Deals 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.

Note: Expected to be given in 2004-05.

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). Hours to be arranged.

A required course for graduate students reading a field in comparative gender history and open to others as space permits. Readings cover American gender history from the colonial to modern periods.

Note: Expected to be given in 2004-05.

Cross-listed Courses

[*American Civilization 370. Major Works in the History of American Civilization]

[Historical Study A-74. Contemporary China: The People's Republic and Taiwan in the Modern World]

Graduate Courses of Reading and Research

***History 3000. Direction of Doctoral Dissertations**

Catalog Number: 4630

Abdul R. Abu-Husayn (American University of Beirut) 4814, Emmanuel K. Akyeampong 3421,



Catherine Allgor (University of California, Riverside) 4649, Bernard Bailyn 1841, Sven Beckert 2415, Thomas N. Bisson 1451 (on leave spring term), David Blackburn 3203, Ann M. Blair 2467 (on leave fall term), Peter K. Bol 8014, Harold Bolitho 1176 (on leave spring term), Sugata Bose 3960, Daniel V. Botsman 1249, Joyce E. Chaplin 1058, John H. Coatsworth 3248 (on leave 2003-04), Elizabeth Cohen 3627, Nancy F. Cott 4261 (on leave 2003-04), Albert M. Craig 1847, Drew Gilpin Faust 3857, Ruth Feldstein 1755, Donald Fleming 1831, Caroline M. Elkins 3961 (on leave 2003-04), William E. Gienapp 2109 (fall term only), Andrew Gordon 1891, Peter E. Gordon 3907, Andrea Graziosi (University of Naples) 4648, James Hankins 1239, Evelyn Brooks Higginbotham 3517, Patrice Higonnet 2730 (on leave spring term), Stanley Hoffmann 1757, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Christopher P. Jones 3204, Cemal Kafadar 2459, Edward L. Keenan 1825, Alexander Keyssar (Kennedy School) 4323, William C. Kirby 3128, Mark A. Kishlansky 2895, James T. Kloppenberg 3157, Philip A. Kuhn 8051, Angeliki E. Laiou 7282, John P. LeDonne 2532, Jill M. Lepore 4830 (on leave 2003-04), Mary D. Lewis 4369, Charles S. Maier 7227 (on leave fall term), Jane E. Mangan 2413, Terry D. Martin 2966 (on leave 2003-04), Ernest R. May 1817, Michael McCormick 2849 (on leave fall term), Thomas K. McCraw (Business School) 7371, Lisa M. McGirr 2543, Rebecca M. McLennan 2418, John M. Monteiro (State University of Campinas, Brazil) 4589, Roy Mottahedeh 1454 (on leave spring term), John E. Murdoch 1877 (on leave fall term), Afsaneh Najmabadi 4052, Susan E. O'Donovan 3962 (on leave 2003-04), Willem Otterspeer (Leiden University) 4614, E. Roger Owen 1028 (on leave spring term), Steven Ozment 6197, Richard Pipes 1827, Eric W. Robinson 2724 (on leave fall term), Timothy M. Rowse (Australian National University) 4606, Judith Surkis 4184 (on leave 2003-04), Roman Szporluk 3033, Hue-Tam Ho Tai 6079, Stephan Thernstrom 4141, T. Robert Travers 4129, Wei-Ming Tu 7233, Laurel Thatcher Ulrich 1886 (on leave 2003-04), and John Womack, Jr. 1863

***History 3010. Reading and Research**

Catalog Number: 3424

Abdul R. Abu-Husayn (American University of Beirut) 4814, Emmanuel K. Akyeampong 3421, Catherine Allgor (University of California, Riverside) 4649, Sven Beckert 2415, Thomas N. Bisson 1451 (on leave spring term), David Blackburn 3203, Ann M. Blair 2467 (on leave fall term), Peter K. Bol 8014, Harold Bolitho 1176 (on leave spring term), Sugata Bose 3960, Daniel V. Botsman 1249, Joyce E. Chaplin 1058, John H. Coatsworth 3248 (on leave 2003-04), Elizabeth Cohen 3627, Kathleen M. Coleman 2289, Nancy F. Cott 4261 (on leave 2003-04), Albert M. Craig 1847, Charles Donahue, Jr. (Law School) 2650, Mark C. Elliott 3329, William L. Fash 1512, Drew Gilpin Faust 3857, Ruth Feldstein 1755, Franco Fido 2446, Donald Fleming 1831, Caroline M. Elkins 3961 (on leave 2003-04), Andrew Gordon 1891, Peter E. Gordon 3907, Andrea Graziosi (University of Naples) 4648, David D. Hall (Divinity School) 2510, James Hankins 1239, Evelyn Brooks Higginbotham 3517, Patrice Higonnet 2730 (on leave spring term), Stanley Hoffmann 1757, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Christopher P. Jones 3204, Cemal Kafadar 2459, Edward L. Keenan 1825, Alexander Keyssar (Kennedy School) 4323, William C. Kirby 3128, Mark A. Kishlansky 2895, James T. Kloppenberg 3157, Philip A. Kuhn 8051, Angeliki E. Laiou 7282, John P. LeDonne 2532, Christopher Lee 4821, Jill M. Lepore 4830 (on leave 2003-04), Mary D. Lewis 4369, Nino Luraghi 2408, Charles S. Maier 7227 (on leave fall term), Jane E. Mangan 2413, Terry D. Martin 2966 (on leave 2003-04), Ernest R. May 1817, Michael McCormick 2849 (on leave fall term), Thomas K. McCraw (Business School) 7371, Lisa M. McGirr 2543, Rebecca M.



McLennan 2418, John M. Monteiro (State University of Campinas, Brazil) 4589, Roy Mottahedeh 1454 (on leave spring term), John E. Murdoch 1877 (on leave fall term), Afsaneh Najmabadi 4052, Susan E. O'Donovan 3962 (on leave 2003-04), Willem Otterspeer (Leiden University) 4614, E. Roger Owen 1028 (on leave spring term), Steven Ozment 6197, Eric W. Robinson 2724 (on leave fall term), Timothy M. Rowse (Australian National University) 4606, Bernard Septimus 7160, Mary M. Steedly 2783 (spring term only), Judith Surkis 4184 (on leave 2003-04), Roman Szporluk 3033, Hue-Tam Ho Tai 6079, Stephan Thernstrom 4141, T. Robert Travers 4129, Wei-Ming Tu 7233, Laurel Thatcher Ulrich 1886 (on leave 2003-04), and John Womack, Jr. 1863

Half course (fall term; repeated spring term). Fall: F., 1–3; Spring: F., 1–3; Th., 2–4. EXAM GROUP: 6, 7

Instructors listed above under History 3010 supervise individual work in preparation for the General Examination for the PhD degree.

Note: Limited to candidates for the PhD who are in residence, who have been for a year in residence, and who are in good standing in the Graduate School. May ordinarily be taken only in preparation for a field (or fields) to be examined on the General Examination. May not be counted toward the AM degree except by permission of the Department.

History and Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Members of the Steering Committee on Degrees in History and Literature

Homi K. Bhabha, Anne F. Rothenberg Professor of English and American Literature and Language (*Chair*)

Steven Biel, Senior Lecturer on History and Literature (*Director of Studies*)

Ann M. Blair, Professor of History (*on leave fall term*)

Sugata Bose, Gardiner Professor of Oceanic History and Affairs

Lawrence Buell, Powell M. Cabot Professor of American Literature and John P. Marquand Professor of English

Lizabeth Cohen, Howard Mumford Jones Professor of American Studies

Nancy F. Cott, Jonathan Trumbull Professor of American History (*on leave 2003-04*)

Daniel G. Donoghue, John P. Marquand Professor of English (*on leave spring term*)

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature (*on leave spring term*)

Ruth Feldstein, Associate Professor of History and of History and Literature

Lynn Mary Festa, Assistant Professor of English and American Literature and Language

Stephen J. Greenblatt, John Cogan University Professor (*on leave fall term*)

Virginie Greene, John L. Loeb Associate Professor of the Humanities



Robert J. Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of English (*on leave spring term*)

James T. Kloppenberg, Harvard College Professor and David Woods Kemper '41 Professor of American 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 (*on leave 2003-04*)

Leah Price, Professor of English and American Literature and Language

Charles E. Rosenberg, Ernest E. Monrad Professor of the Social Sciences, Acting Department Chair of the History of Science

Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures

John Stauffer, John L. Loeb Associate Professor of the Humanities (*on leave 2003-04*)

Judith Surkis, Assistant Professor of History and of History and Literature (*on leave 2003-04*)

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

Other Faculty Offering Instruction in the History and Literature Program

W. Nathan Alexander, Lecturer on History and Literature

Raphael C. Allison, Lecturer on History and Literature

Kriss R. Basil, Lecturer on History and Literature

Daniel Bautista, Lecturer on History and Literature

Lisa T. Brooks, Lecturer on History and Literature

Rory A. W. Browne,

Julie E. Desjardins, Lecturer on History and Literature

Charitini Douvaldzi, Lecturer on History and Literature

Elizabeth A. Duclos-Orsello, Lecturer on History and Literature

Dan Eshet, Lecturer on History and Literature

Karen P. Flood, Lecturer on History and Literature

Christopher B. Frazer, Lecturer on History and Literature

Joseph C. Gerber, Lecturer on History and Literature

Jane F. Gerhard, Lecturer on History and Literature

Tona J. Hangen, Lecturer on History and Literature

Laura K. Johnson, Lecturer on History and Literature

Stephen H. Kargere,

Margaret A. Kennedy, Lecturer on History and Literature

Mary Ellen Lennon, Lecturer on History and Literature

Julia Lisella, Lecturer on History and Literature

John W. Mackey,

James N. Mancall,

Michele C. Martinez, Lecturer on History and Literature

Ann-Marie Mikkelsen,



Jennifer S. Milligan, Lecturer on History and Literature
Andrew R. Muldoon, Lecturer on History and Literature
Rebecca R. Noel, Lecturer on History and Literature
John T. O'Keefe,
David W. Pansing, Lecturer on History and Literature
Gloria Pastorino,
Annette G. Pein, Lecturer on History and Literature
Josiane Peltier,
Debra N. Prager,
Mark E. Rennella, Lecturer on History and Literature
Augusta Rohrbach, Lecturer on History and Literature
Maribel Roig,
Andrew P. Scheil, Lecturer on History and Literature
Jessica Shubow, Lecturer on History and Literature
Naomi Z. Sofer, Lecturer on History and Literature
Woden S. Teachout, Lecturer on History and Literature
Penny T. Tucker, Lecturer on History and Literature
Swen A. Voekel, Lecturer on History and Literature
Andrea L. Volpe, Lecturer on History and Literature
James E. von der Heydt, Acting Allston Burr Senior Tutor in Winthrop House, Instructor in History and Literature
James Wilkinson,

Primarily for Undergraduates

***History and Literature 91r. Supervised Reading and Research**

Catalog Number: 0334

Steven 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 Biel and members of the Committee

Full course. Hours to be arranged. EXAM GROUP: 16, 17

Note: Ordinarily taken by sophomores as a full course. Nonconcentrators wishing to take a half or full year of the sophomore tutorial may do so with the permission of the Director of Studies. To take one term only, a divide with credit petition must be filed.

***History and Literature 98r. Tutorial — Junior Year**

Catalog Number: 2766

Steven 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 juniors. Required of all concentrators.

***History and Literature 99. Tutorial — Senior Year**

Catalog Number: 5362

Steven Biel and members of the Committee

Full course. Hours to be arranged.

Note: Ordinarily taken by 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

James T. Kloppenberg, Harvard College Professor and David Woods Kemper '41 Professor of American History (*Chair*)

Sven Beckert, Professor of History

Lawrence Buell, Powell M. Cabot Professor of American Literature and John P. Marquand Professor of English

Joyce E. Chaplin, Professor of History

Lizabeth Cohen, Howard Mumford Jones Professor of American Studies

Nancy F. Cott, Jonathan Trumbull Professor of American History (*on leave 2003-04*)

Margaret Lee Crawford, Professor of Urban Design and Planning Theory (*Design School*)

Ruth Feldstein, Associate Professor of History and of History and Literature

Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities (*on leave 2003-04*)

David D. Hall, Professor of American Religious History on the Bartlett and the Emerson Fund for Unitarian Universalist Studies (*Divinity School*)

Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies

Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government (*on leave 2003-04*)

Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*)

Alexander Keyssar, Matthew W. Stirling, Jr. Professor of History and Social Policy (*Kennedy School*)

Ernest R. May, Charles Warren Professor of American History

Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time



Warner Endowment

Carol J. Oja, William Powell Mason Professor of Music

Robert A. Orsi, Charles Warren Professor of History of Religion in America (*Divinity School*)

Julie A. Reuben, Professor of Education (*School of Education*)

Jennifer L. Roberts, Assistant Professor of History of Art and Architecture

Charles E. Rosenberg, Ernest E. Monrad Professor of the Social Sciences, Acting Department Chair of the History of Science

Gwendolyn DuBois Shaw, Assistant Professor of History of Art and Architecture and of African and African American Studies

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies

Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures

John Stauffer, John L. Loeb Associate Professor of the Humanities (*on leave 2003-04*)

Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History (*on leave 2003-04*)

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*) (*on leave spring term*)

Bradley S. Epps, Professor of Romance Languages and Literatures

Philip J. Fisher, Felice Crowl Reid Professor of English and American Literature (*on leave 2003-04*)

William W. Fisher, Professor of Law (*Law School*)

Donald Fleming, Jonathan Trumbull Professor of American History, Emeritus, Jonathan Trumbull Research Professor of American History

William E. Gienapp, Professor of History, Harvard College Professor

Akira Iriye, Charles Warren Professor of American History, Department Chair of History

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*on leave 2003-04*)

Thomas K. McCraw, Isidor Straus Professor of Business History (*Business School*)

John R. Stilgoe, Robert and Lois Orchard Professor in the History of Landscape Development

Stephan Thernstrom, Winthrop Professor of History

Helen Vendler, Arthur Kingsley Porter University Professor

Ruth R. Wisse, Harvard College Professor, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature

This program is interdisciplinary. Students are also referred to course offerings at the Design School, Kennedy School and Law School. For further information about the variety of course offerings in specific departments, consult the office of the Committee, Barker Center 225, 12 Quincy Street.

Graduate Courses



[*American Civilization 370. Major Works in the History of American Civilization]

Catalog Number: 3662

Members of the Committee

Half course (fall term). Hours to be arranged.

A survey of the field, with an emphasis on the range of interdisciplinary methods in the humanities, history, and social sciences.

Note: Expected to be given in 2004–05. Required of first and second-year graduate students in American Civilization and open to others by permission of the instructor.

***American Civilization 371. Themes in the History of American Civilization**

Catalog Number: 6797

Members of the Committee

Half course (fall term). M., 3–5.

Interdisciplinary study of one or several topics.

Note: Required of first and second-year graduate students in American Civilization and open to others by permission of the instructor.

***American Civilization 398. Reading and Research**

Catalog Number: 1710

Helen Vendler 7226, Sven Beckert 2415, Allan M. Brandt 3031 (on leave spring term), Lawrence Buell 2655, Joyce E. Chaplin 1058, Elizabeth Cohen 3627, Nancy F. Cott 4261 (on leave 2003-04), Margaret Lee Crawford (Design School) 3934, Bradley S. Epps 2880, Philip J. Fisher 1470 (on leave 2003-04), William W. Fisher (Law School) 4257, Donald Fleming 1831, Henry Louis Gates, Jr. 2899 (on leave 2003-04), David D. Hall (Divinity School) 2510, Evelyn Brooks Higginbotham 3517, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Barbara E. Johnson 7626 (on leave 2003-04), James T. Kloppenberg 3157, Thomas K. McCraw (Business School) 7371, Ingrid Monson 1591, Carol J. Oja 4599, Jennifer L. Roberts 4407, Marc Shell 3176, Werner Sollors 7424, John Stauffer 1006 (on leave 2003-04), Stephan Thernstrom 4141, and Laurel Thatcher Ulrich 1886 (on leave 2003-04)

***American Civilization 399. Direction of Doctoral Dissertations**

Catalog Number: 8803

Ruth R. Wisse 3177, Sven Beckert 2415 (fall term only), Allan M. Brandt 3031 (on leave spring term), Lawrence Buell 2655, Elizabeth Cohen 3627, Nancy F. Cott 4261 (on leave 2003-04), Ruth Feldstein 1755, Philip J. Fisher 1470 (on leave 2003-04), William W. Fisher (Law School) 4257, Donald Fleming 1831, Henry Louis Gates, Jr. 2899 (on leave 2003-04), David D. Hall (Divinity School) 2510, Evelyn Brooks Higginbotham 3517, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, James T. Kloppenberg 3157, Thomas K. McCraw (Business School) 7371, Robert A. Orsi (Divinity School) 4242, Julie A. Reuben (School of Education) 4428, Marc Shell 3176, Werner Sollors 7424, John Stauffer 1006 (on leave 2003-04), John R. Stilgoe 8032, Stephan Thernstrom 4141, and Laurel Thatcher Ulrich 1886 (on leave 2003-04)

Cross-listed Courses

[**Afro-American Studies 138z. Interracial Literature**](#)

[**Afro-American Studies 166. Contemporary African-American Visual Culture: Proseminar**](#)



[***Comparative Literature 172 \(formerly *Comparative Literature 269\). Paralysis**](#)
[**\[Comparative Literature 174. American Babel\]**](#)
[**\[English 172. 19th-Century American Novel\]**](#)
[**\[English 176a. American Protest Literature\]**](#)
[**English 187d. American Literatures in Languages Other than English**](#)
[**English 199t. Animals That Talk**](#)
[***English 278. Art and Thought of the Cold War, 1945-1965: Graduate Seminar**](#)
[***English 292. Issues in the Study of American Literature: Graduate Seminar**](#)
[**\[Government 2392. American Political Ideologies\]**](#)
[**History 71a. America: Colonial Times to the Civil War**](#)
[**History 1623. The American Civil War: 1861-1865**](#)
[**History 1632. Gilded Age America: Economy, Society and Politics: Conference Course**](#)
[**\[History 1644. Reconstruction, 1865-1877\]**](#)
[**\[History 1951. 19th-Century Capitalism: Great Britain, the US, Germany, and Japan: Conference Course\]**](#)
[**History 2600. Readings in Colonial and Revolutionary America: Proseminar**](#)
[**\[History 2601. The US in the 20th Century: Seminar\]**](#)
[**History 2602. Readings in the History of the United States in the 19th Century: Proseminar**](#)
[**\[History 2606. Early American Social History: Seminar\]**](#)
[**\[History 2607. Readings in the United States in the 20th Century: Proseminar\]**](#)
[**\[History 2610. Race in Early America: Status, Identity and Power: Seminar\]**](#)
[**\[History 2612. 19th-Century United States: Research Seminar\]**](#)
[**History 2650hf. The Political Economy of North America: Seminar**](#)
[***History 2662. Readings in American Thought**](#)
[**History 2664. Race and African-American Intellectual History: Seminar**](#)
[**History of Art and Architecture 19x. Introduction to African American Art History**](#)
[**History of Art and Architecture 172w. American Art and Modernity, 1865-1965**](#)
[**History of Art and Architecture 175w. Pop Art**](#)
[**History of Art and Architecture 176w. Modern Architecture, Ornament and Objects**](#)
[**History of Art and Architecture 271v. Defining "Urban Design" 1945-1970**](#)
[**Music 218r. 20th-Century Music: Seminar**](#)
[**Religion 1439 \(formerly Religion 1514\). The History of Christianity: An Introduction to Interpretive Issues**](#)
[**\[Religion 1465. Liberalism and Orthodoxy, 1600–1870\]**](#)
[**Religion 1468 \(formerly Religion 1504\). Religion in America: From the Coming of the Europeans to the 1870s**](#)
[**\[Religion 1515. Religion and Culture in 19th-Century America and Europe: Seminar\]**](#)
[**Religion 1526. Religion in America from c. 1865 to the 1970s**](#)
[**\[Religion 2464. Radical Religion in England and America, 1550–1750: Seminar\]**](#)
[**\[Social Analysis 66. Race, Ethnicity, and Politics in the United States\]**](#)
[**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

Yve-Alain Bois, Joseph Pulitzer, Jr. Professor of Modern Art (*Chair*)
Manfred Bietak, Martha A. Willcomb Visiting Professor on Ancient Egyptian Civilization (*University of Vienna*) (*spring term only*)
Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies
Pramod Chandra, George P. Bickford Professor of Indian and South Asian Art, George P. Bickford Professor of Indian and South Asian Art, Emeritus, George P. Bickford Research Professor of Indian and South Asian Art (*fall term only*)
Thomas B. F. Cummins, Dumbarton Oaks Professor of the History of Pre-Columbian and Colonial Art
Julian R. Gardner, Visiting Professor of History of Art and Architecture (*University of Warwick*) (*fall term only*)
Jeffrey F. Hamburger, Professor of History of Art and Architecture (*on leave 2003-04*)
Alice G. Jarrard, Associate Professor of History of Art and Architecture
Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art
Robin E. Kelsey, Assistant Professor of History of Art and Architecture (*on leave 2003-04*)
Ewa Lajer-Burchard, Professor of History of Art and Architecture (*Director of Graduate Studies*)
Neil Levine, Emmet Blakeney Gleason Professor of History of Art and Architecture (*on leave 2003-04*)
Yukio Lippit, Assistant Professor of History of Art and Architecture (*on leave 2004-05*)
Eric P. Mumford, Visiting Associate Professor of History of Art and Architecture (*Washington University in St. Louis*) (*spring term only*)
Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art, Associate of Currier House (*on leave 2004-05*)
Alina A. Payne, Professor of History of Art and Architecture (*on leave 2004-05*)
Jennifer L. Roberts, Assistant Professor of History of Art and Architecture
Betsey A. Robinson, Assistant Professor of the Classics
David J. Roxburgh, Professor of History of Art and Architecture (*Director of Undergraduate Studies*)
Gwendolyn DuBois Shaw, Assistant Professor of History of Art and Architecture and of African and African American Studies
Rabun Taylor, Associate Professor of History of Art and Architecture (*on leave 2004-05*)
Hugo van der Velden, Professor of History of Art and Architecture (*on leave spring term*)
Eugene Wang, Gardner Cowles Associate Professor of the History of Art and Architecture
Irene J. Winter, William Dorr Boardman Professor of Fine Arts (*on leave 2003-04*)



Henri Zerner, Professor of History of Art and Architecture
David G. Mitten, James Loeb Professor of Classical Art and Archaeology

Museum Associates Offering Instruction in the Department

Marjorie B. Cohn, Senior Lecturer on History of Art and Architecture (*Acting Director of the Harvard University Art Museums, Carl A. Weyerhauser Curator of Prints in the Harvard University Art Museums*)

Harry A. Cooper, Senior Lecturer on History of Art and Architecture (*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*)

Deborah Martin Kao, Senior Lecturer on History of Art and Architecture (*Richard L. Menschel Curator of Photography, Harvard University Art Museums*)

Henry W. Lie, Lecturer on History of Art and Architecture (*Senior Conservator of Objects and Sculpture, Straus Center for Conservation, Harvard University Art Museums*)

Carol C. Mancusi-Ungaro, Senior Lecturer on History of Art and Architecture (*Director of the Center for the Technical Study of Modern Art in the Harvard University Art Museum*)

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 (*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 introductory courses, upper-level courses and departmental tutorials. Passage through the sequence from entry level to more advanced classes is encouraged—particularly for prospective concentrators.

HAA 10, and HAA 11 are general, conceptual introductions to History of Later Western Art, and History of World Architecture, respectively, each of which would serve as a point of entry into the courses and concentration of History of Art and Architecture. History of Art and Architecture 12-89 constitute field-specific introductions to the major subfields of art history and their associated methodologies. These introductory courses are intended both for students in the concentration and for non-concentrators with an interest in a particular subject within History of Art and Architecture. History of Art and Architecture 100-199, upper-level courses, tend to focus upon a particular problem or set of materials within a subfield.

Primarily for Undergraduates

[History of Art and Architecture 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, we examine art between the beginning of Modern Times around 1400 until the present. It is team taught and organized around specific topics each occupying one week. It is organized chronologically but does not attempt to be a comprehensive survey, but rather to highlight important issues, debates, innovations, specific works or artists.

History of Art and Architecture 11. Landmarks of World Architecture

Catalog Number: 3675

Alice G. Jarrard and members of the Department

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 each lecture on a building or complex in their area of expertise. These include the Pantheon, Taj Mahal, Paris Opera, Hôtel de Soubise, Saint Peter's, and Farnsworth House, as well as complexes at the Alhambra, the Forbidden City, Cuzco, Dhaka, Versailles. Sections focus on key questions in the analysis and interpretation of architecture.

[History of Art and Architecture 13h. Foundations of Early Civilization: An Introduction to the Art of Ancient Mesopotamia]

Catalog Number: 7382

Irene J. Winter

Half course (fall term). 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 2004–05.

History of Art and Architecture 13k. Introduction to Roman Art and Architecture

Catalog Number: 1426

Rabun Taylor

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

At its height, the Roman Empire extended from Scotland to Syria, and from the North Sea to the Sahara. We examine 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 18k. Introduction to Japanese Art

Catalog Number: 7525

Yukio Lippit

Half course (spring term). M., W., at 11. EXAM GROUP: 4

A survey of the most visually and conceptually significant examples of art and architecture produced in the Japanese archipelago from the prehistoric era through the modern period. Broader historical questions addressed through careful readings of individual objects and buildings. Special emphasis placed on the characteristics of materials, genres, and formats most



frequently employed in the Japanese context, as well as the relationship of Japanese artistic traditions to larger interregional trends.

History of Art and Architecture 19x. Introduction to African American Art History

Catalog Number: 2396

Gwendolyn DuBois Shaw

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Examines three hundred years of artistic production by peoples of African descent living in the US, from the beginning of the slave trade through the early Civil Rights movement of the 20th century. Primary focus is on the so-called fine arts of painting and sculpture. We also consider architecture, the material culture of slavery and daily life, vernacular art, and dominant culture, representations of Blacks.

History of Art and Architecture 19y (formerly History of Art and Architecture 19). Introduction to the Art of Africa

Catalog Number: 8872

Suzanne P. Blier

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Examines key issues in African art. Designed both to be an introduction to the rich and diverse arts of Africa and to serve as a forum for the critical evaluation of related theoretical issues. Each class explores the art of a given civilization, discussing as well concomitant traditions in religion, philosophy, politics, history, while also focusing on a larger thematic concern: gender, representation of other, aesthetics, artistic creation, psychology, performance art, and the like.

[History of Art and Architecture 19z. The Importance of Art in the Conquest of the Americas]

Catalog Number: 2455

Thomas B. F. Cummins

Half course (spring term). Hours to be arranged.

Looks at the various roles that painting and sculpture played in the conquest. Stressing Mexico and Peru, we deal with issues such as idolatry, beauty, commensurability, miracles, legal testimony, and heresy as studied through works that were either produced in the New World by natives or Spaniards, or works brought there from Spain.

Note: Expected to be given in 2004–05.

History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s

Catalog Number: 4593

Ewa Lajer-Burchard

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

What is modernity, and what is the place of visual representation within modern culture? What conceptions of individuality, originality, and desire are at work in the idea of “the artist” in the modern period? Traversing different styles - rococo, Neo-classicism, Impressionism, Abstraction - we discuss a range of modern media, from painting, sculpture, prints, and photography to video, installation, and performance art.



***History of Art and Architecture 91r. Directed Study in History of Art and Architecture**

Catalog Number: 1028

David J. Roxburgh and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Limited to juniors and seniors. Students wishing to enroll must petition the Head Tutor for approval, stating the proposed project, and must have the permission of the proposed instructor.

***History of Art and Architecture 97r. Sophomore Tutorial**

Catalog Number: 0935

David J. Roxburgh and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***History of Art and Architecture 98ar. Advanced Tutorial**

Catalog Number: 1328

David J. Roxburgh and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***History of Art and Architecture 98br. Advanced Tutorial**

Catalog Number: 3507

David J. Roxburgh and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***History of Art and Architecture 99. Tutorial - Senior Year**

Catalog Number: 3118

David J. Roxburgh and members of the Department

Full course. Hours to be arranged.

Note: Intended for honors candidates in History of Art and Architecture. Permission of the Head Tutor required.

For Undergraduates and Graduates

[History of Art and Architecture 101. The Materials of Art]

Catalog Number: 5741 Enrollment: Limited to 12.

Eugene F. Farrell and members of the Department

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 2004–05.

Prerequisite: History of Art and Architecture concentration or two previous art history courses.



[History of Art and Architecture 106x. Prints From Then Till Now]

Catalog Number: 2475 Enrollment: Limited to 10.

Marjorie B. Cohn

Half course (spring term). Hours to be arranged.

Western printmaking, focusing on origins, functions, and fortunes of woodcut, engraving, etching, lithography, and other fine-art techniques. Work by artists, such as Rembrandt, Goya, and Picasso, is analyzed, but emphasis is on aspects of prints inherent in the medium, such as their role in fostering graphic conventions, print production as collaborative enterprise, and the implications of multiples. Students are encouraged to work on prints from time periods and geographical regions of particular interest.

Note: Expected to be given in 2004–05.

History of Art and Architecture 124z. Architecture and Dynastic Legitimacy: The Early Modern Islamic Empires (1450-1650)

Catalog Number: 4604 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

In the 16th century, three great regional empires partitioned 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 distinctive architectural and decorative idioms originating from a shared Timurid heritage. The building types each empire emphasized are studied as an index of differing imperial ideologies and theories of dynastic legitimacy.

[History of Art and Architecture 128. Topics in Arabic Art and Culture: Proseminar]

Catalog Number: 6008 Enrollment: Limited to 12.

David J. Roxburgh

Half course (spring term). Hours to be arranged.

A problem oriented inquiry into Arabic art and culture (ca. 750 to 1300), focusing on regions circling the Mediterranean, from the Iberian Peninsula to the Levant. Materials (the book, painting, portable arts, epigraphy, architecture) and geographic focus vary. Themes also change, but include relations between art and literature, aesthetics, vision and perception, courtly culture, the rise of a mercantile patron class, and cultural continuities and resurgences.

Note: Expected to be given in 2004–05.

[History of Art and Architecture 130. Topography and Monuments of Ancient Rome]

Catalog Number: 4494

Rabun Taylor

Half course (fall term). Hours to be arranged.

A general survey of the architecture and urban development of Rome from its beginning until late antiquity. By studying the city's monumental center, students gain an understanding of Rome's immense cultural legacy in general, and in specific a familiarity with the spatial and topographical vocabulary inherited by the modern urban West. Additionally, by examining the remains of ancient Rome's infrastructure, they confront the city as an organic and historical entity.

Note: Expected to be given in 2004–05.



[History of Art and Architecture 133. Greek Architecture and Urbanism]

Catalog Number: 2412

Betsey A. Robinson

Half course (fall term). Hours to be arranged.

An examination of Greek architecture and site organization from the Early Iron Age through the Hellenistic Period. We study civic, sacred, and domestic architecture, the emergence of the polis, colonial foundations, and the evolution of urban planning, from sites in modern Greece and Turkey to southern Italy, northern Africa, and the Levant.

Note: Expected to be given in 2004–05.

Prerequisite: Some previous work in classical archaeology or the history of architecture

History of Art and Architecture 135v. The Architecture of Temples in Ancient Egypt

Catalog Number: 8051

Manfred Bietak (University of Vienna)

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Introduction to the origins and development of Egyptian temples from the Old to the New Kingdom in ancient Egypt (c. 3000—1070 BC). As a model case, the New Kingdom Amun temple in Karnak will be closely examined, along with its decorative sculptural program, and the religious system of Pharaonic Egypt explored as context.

[History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar]

Catalog Number: 0302 Enrollment: Limited to 10.

Irene J. Winter

Half course (spring term). Hours to be arranged.

An inquiry into aesthetic theory as it was developed in Western Europe in the 18th and 19th centuries, and how that approach may be used to examine the art of non-European traditions. After a set of common readings and discussion, students will be asked to select a particular tradition for research, and examine the utility of such concepts as “beauty” cross-culturally. Class presentation and paper.

Note: Expected to be given in 2004–05.

[History of Art and Architecture 138. Hellenistic Art and Architecture]

Catalog Number: 2327

Betsey A. Robinson

Half course (spring term). Hours to be arranged.

Focuses on the rich and innovative visual culture of the Hellenistic world, ca. 323-31 B. C., from the death of Alexander the Great, through the rise and fall of the Hellenistic kingdoms, and the hellenization of the Romans. Examines the social and physical settings of architecture and art, aesthetic diversification and dissemination, dynastic imagery, and trophy art.

Note: Expected to be given in 2004–05.

Prerequisite: History of Art and Architecture 13k and/or Classical Archaeology 131 recommended.

History of Art and Architecture 141v. The Creation of Venetian Medieval Art, c. 1204-1375

Catalog Number: 5342



Julian R. Gardner (University of Warwick)

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

From the decoration of San Marco with mosaics and crusade booty, to the creation of a “Venetian” style. Architecture, mosaics, facade-sculpture and church-furnishings of San Marco. The influence of thirteenth-century art in Byzantium, the impact of Giotto in the Veneto, and the formation of Venetian panel-painting style under Paolo and Lorenzo Veneziano. Mendicant influence on the development of Venetian Gothic architecture.

History of Art and Architecture 143m. The Art of the Court of Constantinople

Catalog Number: 4412

Ioli Kalavrezou

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

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 146x. The Art of Devotion]

Catalog Number: 4493 Enrollment: Limited to 12.

Jeffrey F. Hamburger

Half course (fall term). Hours to be arranged.

The proliferation of novel forms of devotional art and practice during the late Middle Ages, from Passion piety to mysticism, encompassing icons, panel painting, reliquaries, prayer books, devotional dolls, as well as the debates these innovative images engendered over differences between monastic and lay, male and female, and “low” and “high” piety up to and including the Reformation.

Note: Expected to be given in 2004–05.

History of Art and Architecture 151z. Renaissance Architecture and the Rise of Classicism

Catalog Number: 6427

Alina A. Payne

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Charts the rise and dissemination of classicism in Renaissance Europe. Lectures focus on the development of the style, its origin in the fascination with and appropriation of antiquity, its response to shifts in political and social life, and its mechanisms of transmission (travel, book and print culture) as well as on phenomena of exchange (with the East), colonial export, and resistance (based on vernacular, political, religious and other cultural differences) to this pan-European trend.

History of Art and Architecture 155. Problems in Northern Renaissance Art

Catalog Number: 8827

Hugo van der Velden

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Focusing on key monuments, this course is devoted to the visual arts of North-Western Europe, particularly the Low Countries, France and Germany, during the period 1350-1550. The main topics of the course are: the problem of paradigm and historical periodization, style, patronage, iconography, the use and function of art, self-representation, perspective and the depiction of



pictorial space, contemporary awareness of a Northern artistic tradition, art theory, specialization, and the rise of genre.

History of Art and Architecture 168. Palaces and Identity in Early Modern Europe, 1450—1775

Catalog Number: 5500 Enrollment: Limited to 12.

Alice G. Jarrard

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Explores the residence as a site of familial, institutional, and cultural identity formation. Using primary and modern texts, we analyze the form and function of urban dwellings at specific moments in European history. Starting with the palazzi of Florentine merchants in the Renaissance and ending with the hôtels of eighteenth-century Paris, we consider the impact of antiquity, vernacular tradition, gender and social roles, political status, ceremonial uses, and the display of collections.

History of Art and Architecture 170r (formerly History of Art and Architecture 270r). Topics in 19th-Century Art

Catalog Number: 7958 Enrollment: Limited to 12.

Henri Zerner

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Considers the role of printmaking and reproduction in 19th-century art from an socio-economic as well as aesthetic point of view, discussing the technical transformation of image making as well as the critical and theoretical discourses of the period and today.

History of Art and Architecture 171v. Topics in the History and Theory of 20th Century Architecture and Urbanism

Catalog Number: 2353

Eric P. Mumford (Washington University in St. Louis)

Half course (spring term). Tu., Th., at 11; Th., at 11; Th., at 11. EXAM GROUP: 13

Begins with a brief consideration of the new approaches that emerged in the late nineteenth century and then focus on selected topics including the work of Louis Sullivan, Frank Lloyd Wright, De Stijl and other European avant-garde movements, the organic functionalism of Häring and Scharoun, the work of Le Corbusier, Mies and his American disciples, the work of Louis Kahn, and others.

History of Art and Architecture 172w. American Art and Modernity, 1865-1965

Catalog Number: 2227

Jennifer L. Roberts

Half course (fall term). M., W., at 11. EXAM GROUP: 4

An introduction to American art and visual culture as it developed in the years between Reconstruction and Deconstruction. Thematically-focused lectures treat a variety of media and artistic practices, concentrating on such issues as the response of artists to the rapidly proliferating environment of consumer products, the incorporation of scientific and industrial processes into artistic practice, the continually renegotiated relationship between abstraction and nationalism, and new methods of constructing history and subjectivity in the arts.



[History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century]

Catalog Number: 9158

Ewa Lajer-Burcharth

Half course (fall term). Hours to be arranged.

Functions and meanings of the body as privileged visual signifier in French visual arts (painting, sculpture, printed imagery, photography). Body image seen as both instrument of different discourses of modernity and a site of resistance to them. Among the issues addressed: the king's body, republican corporeality; the problem of the nude, bodily spectacles; race; otherness; androgyny; monstrosity; pornography; representations of hysteria; images of desire; fetishism; body and/in space; body and the self.

Note: Expected to be given in 2004–05.

History of Art and Architecture 175w. Pop Art

Catalog Number: 2172 Enrollment: Limited to 12.

Jennifer L. Roberts

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

An investigation of key themes surrounding the emergence of Pop in the 1950s and 1960s, focusing on developments in the United States but also considering international examples. Interprets the movement in terms of the formal challenges that it posed to painting, sculpture, and photography, as well as its multifaceted philosophical engagements with the broader postwar spectacle of consumption and advertising.

History of Art and Architecture 176w. Modern Architecture, Ornament and Objects

Catalog Number: 5877 Enrollment: Limited to 12.

Alina A. Payne

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Examines the consequence for modern architecture of two complementary debates in the period 1850-1920s, associated with the objects of daily use and ornament respectively. Discussion focuses on the growing interest in the arts and crafts, the body, materials, and fabrication; and on the intersection between the discourse of architecture and other disciplines (museumology, monument preservation, psychology, anthropology, ethnology, natural science, archaeology, and art history).

History of Art and Architecture 179y. Connoisseurship in/and Art History

Catalog Number: 8165 Enrollment: Limited to 12.

Henri Zerner

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Explores the theoretical and methodological basis of connoisseurship and its place in art history. It moves between the critical reading of texts and the examination of how specific practical examples affect historiography.

History of Art and Architecture 184x. Painting of India

Catalog Number: 7460 Enrollment: Limited to 12.

Pramod Chandra

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7



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 is also studied.

History of Art and Architecture 186. Chinese Landscape Painting: Visions and Vistas: Proseminar

Catalog Number: 3009 Enrollment: Limited to 12.

Eugene Wang

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Chinese painting is known for its primacy of “spiritual” dimension at the expense of realistic depiction; painters nevertheless make claims on nature out there. Inner subjectivism may engage outer topography. Taking this as point of departure, the course covers Chinese painting from the 10th to 18th century.

History of Art and Architecture 191x. Manuscripts in Colonial Peru and Mexico

Catalog Number: 6631 Enrollment: Limited to 12.

Thomas B. F. Cummins

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

We study the few remaining Mesoamerican Pre-Columbian as well as the much more numerous sixteenth and seventeenth-century colonial pictorial manuscripts. We also study the only three pictorial manuscripts of the Andes. Emphasis is on the production, form and iconography of the different manuscripts. The physical and formal properties also are examined in relation to use of manuscripts in the Americas, both before and after the Spanish conquest.

History of Art and Architecture 193. Painting Traditions in Africa

Catalog Number: 1131 Enrollment: Limited to 12.

Suzanne P. Blier

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

This pro-seminar examines painting traditions from pre-historic to contemporary works. Critical issues of artistic identity, content, and style discussed.

Primarily for Graduates

History of Art and Architecture 206. Science and the Practice of Art History

Catalog Number: 6180 Enrollment: Limited to 12.

Henry W. Lie and staff

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

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: to better know what we are looking at. In collaboration with specialists in the Straus Center.

History of Art and Architecture 221. Visual Encounters: Artistic Relations Between Europe and the Islamic World

Catalog Number: 6163 Enrollment: Limited to 12.



Gülru Necipoglu-Kafadar and David J. Roxburgh
Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Focusing on the 15th through 18th centuries, the seminar addresses the impact of European art on Islamic visual culture to understand the receptivity to Western imagery and the nature of interaction and reaction.

[History of Art and Architecture 231. Architect and Builder in the Premodern World: from Principles to Process]

Catalog Number: 7322 Enrollment: Limited to 15.

Rabun Taylor

Half course (spring term). Hours to be arranged.

An exploration of thought and skill, freedom and constraint, planning and chance in architectural design and construction from ancient Egypt to medieval Europe, with an emphasis on the Roman period.

Note: Expected to be given in 2004–05.

History of Art and Architecture 233. Monuments of Archaeology: Antiquarianism and Architectural History, 1730-1940

Catalog Number: 4115 Enrollment: Limited to 12.

Betsey A. Robinson and Rabun Taylor

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Exploration of architectural archaeology, from the 18th century development of a “new breed of archaeological works” by Piranesi, Stuart & Revett, et.al., through the Beaux-Arts envois and “scientific” archaeology.

***History of Art and Architecture 234v. The Art and Archaeology of Egyptian Avaris, Capital of the Hyskos**

Catalog Number: 0426 Enrollment: Limited to 12.

Manfred Bietak (University of Vienna)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Introduction to the site of Tell el-Dab-a/Avaris in the eastern Nile Delta, from the Middle to the New Kingdom (c. 2000-1070 BC), including interconnections with Aegean and Near Eastern cultures.

History of Art and Architecture 240r. Byzantine Art

Catalog Number: 4109 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Topic to be announced.

History of Art and Architecture 245. Jan and Hubert van Eyck: The Rise of Painting in the Late Medieval West

Catalog Number: 5639 Enrollment: Limited to 12.

Hugo van der Velden

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Focuses on meaning and interpretation, with special attention to the Ghent altarpiece. Themes



include function, ritual, context, court art, competition, and the appreciation of painting in comparison to other media.

History of Art and Architecture 250v. Giotto and his Publics

Catalog Number: 5448 Enrollment: Limited to 12.

Julian R. Gardner (University of Warwick)

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

The distortions of Vasari's biographical model. Private chapel commissions, altarpieces and narrative strategies. New documentary information and new technical insights. Relationships to ancient art, Rome, Assisi, Naples, Florence, and Siena.

History of Art and Architecture 255. Giorgio Vasari: Art, History and Criticism in the Renaissance

Catalog Number: 5608 Enrollment: Limited to 12.

Alina A. Payne

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Examines Giorgio Vasari's oeuvre as critic, historian, artist and architect as it illuminates conceptions of style, progress, aesthetic quality, artistic personality and exchanges between the arts in Renaissance Italy.

History of Art and Architecture 265x. Paris/Rome/London

Catalog Number: 5787 Enrollment: Limited to 12.

Alice G. Jarrard

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Through analysis of the lively dialogue between these three capitals regarding urbanism and the "public", considers the emergence of the modern city between 1650 and 1800. The museum and theater are particular focuses.

History of Art and Architecture 271v. Defining "Urban Design" 1945-1970

Catalog Number: 1417 Enrollment: Limited to 12.

Eric P. Mumford (Washington University in St. Louis)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

An examination of this post-war period of American urban design.

History of Art and Architecture 273. The Modern Death of the Artist

Catalog Number: 8689 Enrollment: Limited to 12.

Yve-Alain Bois

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

From the birth of abstraction to the multifarious art production of the 60s, artists have conjured a set of tropes in order to manifest their paradoxical desire for impersonality. What tropes? How? Why?

History of Art and Architecture 275w. The Thing

Catalog Number: 8955 Enrollment: Limited to 12.

Jennifer L. Roberts

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9



An investigation of “objecthood” and its role in art history, examining theoretical frameworks for interpreting everything from teapots to minimal objects. Interrogates the forms of exchange—economic, libidinal, aesthetic—that these objects invite (or refuse).

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). Tu., 1–3. EXAM GROUP: 15, 16

Explores relation between art and self in its modern configurations. How art contributes to the formation of subjectivity? The place of the image within cultural discourse, and the work of art as representation of the artist.

[History of Art and Architecture 279. Semiotics of the Image]

Catalog Number: 3644 Enrollment: Limited to 12.

Robin E. Kelsey

Half course (spring term). Hours to be arranged.

A fresh consideration of the possibilities for semiotic analysis of works of art. Emphasis on critically reading canonical texts by Peirce, Saussure, and others, and evaluating particular instances of semiotic analysis within art historical scholarship.

Note: Expected to be given in 2004–05.

History of Art and Architecture 282. Body and Relics in Medieval Chinese Buddhist Art

Catalog Number: 5213 Enrollment: Limited to 12.

Eugene Wang

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Examines Chinese Buddhist art from the 7th through 10th centuries, from the perspective of “body,” with special attention to the role of relics in the formation of visual culture.

History of Art and Architecture 286. The Ashikaga Shogunal Collection and its Legacy

Catalog Number: 5609 Enrollment: Limited to 12.

Yukio Lippit

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Examines this legendary fifteenth-century collection of Chinese painting through its impact on painting production, Sino-Japanese iconographic recordings, display practice, shogunal identity, political ritual, the medieval gift economy, and its place in the historical imagination.

History of Art and Architecture 294. Cuzco, 1650-1700

Catalog Number: 0538

Thomas B. F. Cummins

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Cuzco, the center of the Inca Empire, became a major colonial Peruvian city, but in 1650 an earthquake destroyed most of its buildings. We will examine aspects of the city’s rebuilding between 1650 and 1700.

Cross-listed Courses



[Afro-American Studies 166. Contemporary African-American Visual Culture: Proseminar](#)
[Afro-American Studies 174. The African City](#)
[Classical Archaeology 136. Archaeology of the Aegean Bronze Age](#)
 [Classical Archaeology 140. The Parthenon]
[Classical Archaeology 154. Cities of the Roman East](#)
[Classical Archaeology 160. Vase-painting and Iconography](#)
 [Classical Archaeology 180. Coinage, Politics, and Economy in the Greek World]
[Classical Archaeology 256. Greeks and Persians](#)
[Literature and Arts B-16. The Meanings of Abstraction in 20th-Century Art](#)
[Literature and Arts B-21. The Images of Alexander the Great](#)
[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court](#)
[Literature and Arts B-46. Art in the Wake of the Mongol Conquests: Genghis Khan and His Successors](#)
 [Literature and Arts B-48. Chinese Imaginary Space]
 [Literature and Arts C-69. Pompeii]
 [Medieval Studies 210. Medieval Manuscripts and Liturgical Arts]
 [Religion 2348ab. Archaeology and the World of the New Testament: Seminar]
[*Visual and Environmental Studies 40a \(formerly *Visual and Environmental Studies 40ar\). Fundamentals of Still Photography: Studio Course](#)
 [*Visual and Environmental Studies 40b. Photography: Intermediate Studio Course]
[*Visual and Environmental Studies 140r \(formerly *Visual and Environmental Studies 140ar\). Color Photography: Studio Course](#)
[*Visual and Environmental Studies 143r. The Photographer as Auteur: Studio Course](#)
[*Visual and Environmental Studies 145r. Photography Now: Seminar/Workshop](#)
[*Visual and Environmental Studies 147r. Conceptual Strategies in Photography: Studio Course](#)
[*Visual and Environmental Studies 148r. Photofictions: Seminar/Workshop](#)
[*Visual and Environmental Studies 180 \(formerly *Visual and Environmental Studies 154ar\). The Moving Image: Film and Visual Representation](#)
[*Visual and Environmental Studies 181 \(formerly *Visual and Environmental Studies 154br\). Frames of Mind: Introduction to Film Theory and Film Analysis](#)
[*Visual and Environmental Studies 182 \(formerly *Visual and Environmental Studies 155ar\). Film Architectures: Seminar](#)
 [*Visual and Environmental Studies 183 (formerly *Visual and Environmental Studies 155br). A Cultural Study of Film: Mapping and Fashioning Space: Seminar]
[*Visual and Environmental Studies 185x. Texture Analysis: Fashion and Film: Seminar](#)
[Women's Studies 1405. Gender, Architecture, and Space: 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, Pramod Chandra 7186, Marjorie B. Cohn 4468, Harry A. Cooper 1728, Thomas B. F. Cummins 3568, Eugene F. Farrell 1009, Jeffrey F. Hamburger 3800 (on leave 2003-04), Alice G. Jarrard 2400, Ioli Kalavrezou 2242, Deborah



Martin Kao 3345, Robin E. Kelsey 4132 (on leave 2003-04), Ewa Lajer-Burcharth 3373, Neil Levine 4178 (on leave 2003-04), Henry W. Lie 2575, Yukio Lippit 4713 (on leave 2004-05), Carol C. Mancusi-Ungaro 4406, David G. Mitten 1290, Robert D. Mowry 1958, Gülru Necipoglu-Kafadar 1688 (on leave 2004-05), Peter Nisbet 1738, Alina A. Payne 4605 (on leave 2004-05), Jennifer L. Roberts 4407, Betsey A. Robinson 4361, William W. Robinson 2239, David J. Roxburgh 2138, Gwendolyn DuBois Shaw 3799, Rabun Taylor 4253 (on leave 2004-05), Hugo van der Velden 4767 (on leave spring term), Eugene Wang 3600, Irene J. Winter 1955 (on leave 2003-04), Stephan S. Wolohojian 2756, and Henri Zerner 3792

Individual work in preparation for the General Examination for the PhD degree or, by arrangement, on special topics not included in the announced course offerings.

***History of Art and Architecture 301. Museum Apprenticeship**

Catalog Number: 1912

Marjorie B. Cohn 4468, Ioli Kalavrezou 2242, David G. Mitten 1290 (spring term only), 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

Ewa Lajer-Burcharth 3373 and Jeffrey F. Hamburger 3800 (on leave 2003-04) (spring term only)

Note: May not be counted toward course requirements for the PhD degree, but is required before the degree may be granted.

***History of Art and Architecture 310 (formerly *History of Art and Architecture 318). Methods and Theory of Art History**

Catalog Number: 7879 Enrollment: Limited to 14. Limited to incoming graduate students.

Ewa Lajer-Burcharth 3373

Half course (fall term). W., 1–3.

***History of Art and Architecture 399. Direction of Doctoral Dissertations**

Catalog Number: 6575

Suzanne P. Blier 3472, Yve-Alain Bois 2922, Pramod Chandra 7186, Thomas B. F. Cummins 3568, Jeffrey F. Hamburger 3800 (on leave 2003-04), Alice G. Jarrard 2400, Ioli Kalavrezou 2242, Robin E. Kelsey 4132 (on leave 2003-04), Ewa Lajer-Burcharth 3373, Neil Levine 4178 (on leave 2003-04), Yukio Lippit 4713 (on leave 2004-05), David G. Mitten 1290, Gülru Necipoglu-Kafadar 1688 (on leave 2004-05), Alina A. Payne 4605 (on leave 2004-05), Gloria Ferrari Pinney 1384 (spring term only), Jennifer L. Roberts 4407, Betsey A. Robinson 4361, David J. Roxburgh 2138, Gwendolyn DuBois Shaw 3799, Rabun Taylor 4253 (on leave 2004-05), Hugo van der Velden 4767 (on leave spring term), Eugene Wang 3600, Irene J. Winter 1955 (on leave 2003-04), and Henri Zerner 3792

Note: May not be counted toward course requirements for the PhD degree.



History of Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of the History of Science

Allan M. Brandt, Professor of the History of Science (*FAS*) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*) (*on leave spring term*)

Charles E. Rosenberg, Ernest E. Monrad Professor of the Social Sciences, Acting Department Chair of the History of Science (*Acting Chair*)

Bridie Andrews, Associate Professor of the History of Science

Mario Biagioli, Professor of the History of Science (*Director of Graduate Studies*)

Robert M. Brain, Associate Professor of the History of Science

Peter Buck, Senior Lecturer on the History of Science (*Director of Undergraduate Studies*)

Peter L. Galison, Harvard College Professor and the Mallinckrodt Professor of the History of Science and of Physics

Evelynn M. Hammonds, Professor of the History of Science and of African and African American Studies

Anne Harrington, Professor of the History of Science (*on leave spring term*)

Sarah Jansen, Assistant Professor of the History of Science (*on leave 2003-04*)

Everett I. Mendelsohn, Professor of the History of Science

John E. Murdoch, Professor of the History of Science (*on leave fall term*)

Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science and of Women's Studies (*on leave 2003-04*)

Carl William Pearson, Lecturer on the History of Science

Rena Elisheva Selya, Lecturer on the History of Science

Steven Shapin, Professor of the History of Science (*on leave spring term*)

David Ian Spanagel, Lecturer on the History of Science

Deborah F. Weinstein, Lecturer on the History of Science

Other Faculty Offering Instruction in the Department of the History of Science

Owen Gingerich, Professor of Astronomy and of the History of Science, Emeritus

Erwin N. Hiebert, Professor of the History of Science, Emeritus

Gerald Holton, Mallinckrodt Professor of Physics and Professor of the History of Science, Emeritus

Martha L. Minow, William Henry Bloomberg Professor of Law (*Law School*)

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking

Barbara Gutmann Rosenkrantz, Professor of the History of Science, Emerita

A. I. Sabra, Professor of the History of Arabic Science, Emeritus

The Department of the History of Science oversees the undergraduate concentration in History and Science and provides the degree of AM and PhD to properly qualified graduate students. The



Department also offers instruction in the history of science to students in other fields.

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

David Ian Spanagel 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

Carl William Pearson and members of the Department

Half course (fall term). M., at 7 p.m. EXAM GROUP: 9

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

Rena Elisheva Selya 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

Carl William Pearson 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

David Ian Spanagel 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]

Catalog Number: 1056

Bridie Andrews

Half course (fall term). Hours to be arranged.

We 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. We 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 2004–05.

History of Science 106. History of Ancient Science

Catalog Number: 3958

John E. Murdoch

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

An examination of 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 2004–05.

[History of Science 112. Medicine and Society in Medieval and Renaissance Europe]

Catalog Number: 8576

Katharine Park

Half course (spring term). Hours to be arranged.

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,E3)

Note: Expected to be given in 2004–05.

[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 examines emergence of these practices during the Scientific Revolution. By observing the development of instruments such as the telescope and the microscope and at printed representation of visual evidence in astronomy, anatomy, and natural history, we analyze scientific and cultural dimensions of debates about the epistemological status of visual evidence and of its mechanical reproductions.

Note: Expected to be given in 2004–05.

History of Science 120. History and Philosophy of Modern Physics

Catalog Number: 5116

Peter L. Galison

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Philosophical questions raised by historical developments in 20th-century physics, and conversely, historical-scientific questions raised by philosophical inquiry. Late 19th-century reductionist world views leading to special and general relativity. Einstein’s response. Issues in quantum theory and quantum mechanics surrounding causality, determinism, realism, and probabilism. Nuclear fission, and the atomic and thermonuclear weapons. Growth of large-scale experimental high-energy physics. What is meant by “unified” field theories in contemporary physics? Readings: scientific, historical, and philosophical texts. (DF:M3)

Note: Can not be taken for credit by students who have already taken Physics 120.

[*History of Science 121. History and Philosophy of Experimentation]

Catalog Number: 5851 Enrollment: Limited to 25.

Peter L. Galison

Half course (fall term). Hours to be arranged.

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)

Note: Expected to be given in 2004–05.

[History of Science 130. History of Modern Biology]

Catalog Number: 0179

Everett I. Mendelsohn

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2004–05.



[History of Science 133. Nature, Science, and America: Conference Course]

Catalog Number: 3455

David Ian Spanagel

Half course (spring term). Hours to be arranged.

Explores interactions among geography, natural history, historical ecology, cultural practices, economic and political choices, and scientific knowledge in the US. Particular attention will be paid to forests, prairies, and waterways as sites of inquiry and anthropogenic change; and to preservation and exploitation as competing American social responses to “natural” places. Integrates environmental history and earth science history materials with examples drawn from the visual arts, literature, and governmental policy.

Note: Expected to be given in 2004–05.

[History of Science 135. Races and Populations]

Catalog Number: 8079

Sarah Jansen

Half course (spring term). Hours to be arranged.

An exploration of the history of the notions of race and population in natural history and in the natural and human sciences from the late eighteenth century to the Human Genome Project. We compare how both ways of knowing constituted groups of people, animals, or plants, the modes of control inherent in both notions, and the relationships between them.

Note: Expected to be given in 2004–05.

History of Science 137. History of Mapping

Catalog Number: 3364 Enrollment: Limited to 20.

David Ian Spanagel

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the history of maps and the practices of mapmaking, as they relate to knowledge and conjectures about “place” in the sciences. Since maps serve as critical tools for the extension and consolidation of political power over remote territories, the processes by which imagined regions attain coherence and meaning are a key research site for historians interested in the politics of scientific knowledge. Materials consulted range widely across time and space.

History of Science 138. Conservation, Ecology, and Environment: Conference Course

Catalog Number: 2390

Everett I. Mendelsohn

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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. Sickness and Healing in America**

Catalog Number: 4471

Charles E. Rosenberg

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Focuses on disease as well as efforts to understand, prevent, and heal it. We discuss the changing



incidence of morbidity and mortality as well as the social and ecological factors that relate to these vital realities of sickness and death. Therapeutic practice and efficacy provides another theme: how were the sick treated? Where were they treated? By whom? (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.

An examination of the effects of the drug trade on international relations from early modern times to the present. Possible topics include: cloves and the rise of European imperialism; sugar and slavery; opium and the British Empire; and cocaine and the American imperium today. (DF:M1,M2).

Note: Expected to be given in 2004–05.

[History of Science 149. Medical Technologies in Historical Perspective: Conference Course](#)

Catalog Number: 2028

Evelynn M. Hammonds

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

The course examines the ways in which various medical technologies, shaped and were shaped by, physician and nurse practices and goals as well as ideas about patient care in American medicine from the 19th century to the present. We will look at how the meanings attached to medical technologies grew out of specific historical, social, political and medical contexts. Medical technologies examined include: imaging machines; clinical, diagnostic and genetic tests; reproductive technologies; and artificial organs.

[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 2004–05.

[History of Science 155. Science, Race, and Society in the US: Conference Course]

Catalog Number: 9785

Evelynn M. Hammonds

Half course (spring term). Hours to be arranged.

An examination of the ways in which scientific, medical, and anthropological practices and theories have shaped conceptions of race in the US from the beginning of the nineteenth century to the present. Topics include: the debate over human origins; the growth of racial determinism; physicians and racial difference; evolution and race; race after Darwin; race and the anthropologists; race and eugenics; the ‘new’ science of race; the search for a biology of race; and race and genetics.



History of Science 156. Historical Perspectives on Gender, Science, and the Body

Catalog Number: 3537 Enrollment: Limited to 15.

Deborah F. Weinstein

Half course (fall term). W., 4–6. EXAM GROUP: 9

Uses gender as an analytic category to examine how American and European science naturalized differences in the human body and gendered the natural world during the seventeenth through twentieth centuries. We consider historical changes in production of scientific knowledge about sex, gender, race, and sexuality, as well as participation of women and men in scientific work. We also discuss varied methods that historians have used to write about gender and science.

[History of Science 159. Probability in Science and Society]

Catalog Number: 0807

Sarah Jansen

Half course (spring term). Hours to be arranged.

Explores the history of probability, one of the key concepts of modern science, from the Enlightenment to the present. Topics include reconceptualizations of the individual and the social 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)

Note: Expected to be given in 2004–05.

***History of Science 161. The Scientific Revolution: Lecture Course**

Catalog Number: 4946

Mario Biagioli

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Examines 16th- and 17th-century transformations in astronomy (in works of Copernicus, Kepler, Galileo, Newton), medicine (Vesalius, Harvey), cosmography (Mercator, Ortelius, Varenius), and natural philosophy (Bacon, Descartes, Newton), 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 Scientific Revolution as dramatic episode in origin of modern science. (DF:E3)

History of Science 171. Narrative and Neurology

Catalog Number: 3222 Enrollment: Limited to 20.

Anne Harrington

Half course (spring term). W., 4–6. EXAM GROUP: 9

What does it “feel” like to live inside a brain that has been damaged? What role has knowledge of such experience played, or failed to play, in the development of brain science over the past two hundred years? We probe these questions by juxtaposing narratives “about” brain damage with the science “of” brain damage. Readings range from the case histories that launched neurology in the mid-19th century to the essays of Oliver Sacks.(DF:M2)



[History of Science 175. Madness and Medicine: Themes in the History of Psychiatry]

Catalog Number: 6245

Anne Harrington

Half course (spring term). Hours to be arranged.

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)

Note: Expected to be given in 2004–05. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

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 (spring term). Th., 2–4. EXAM GROUP: 16, 17

Explores the historical attempt to reconcile our understanding of the human mind—and our fundamental experience of our humanness—with evolutionary understandings of human origins since Darwin. Organized topically around classic and exemplary debates on the nature and purpose of consciousness, free will, morality, aggression, religion and more. Readings include Darwin, Wallace, Huxley, Spencer, James, Freud, Lorenz, Chardin, and Wilson. Particular attention to social and ethical context and perceived implications of these debates. (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). Tu., Th., at 10. EXAM GROUP: 12

An analysis of the making of modern mind-body medicine as a system of interacting (and partly conflicting) narratives. Why do we believe that certain illnesses have roots in childhood traumas? That the stress of modern life can kill? That positive attitude can heal? That the “East” possesses secrets of mind-body balance that the West has lost? Analytic emphasis on the relationship between scientific research, clinical practice, popular culture, and experiences of illness and recovery. (DF:M2)

History of Science 180. Science, Medicine, and Imperialism

Catalog Number: 3578

Bridie Andrews

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Scientific and technological innovations facilitated the expansion of Europe into every continent, and created a world-wide flow of goods, capital and human labor. We examine the implications for imperialism of navigational technology; the rise of the printing press; tropical medicine and disease; economic botany; trains and steamships, information flow and telegraphy; imperial womanhood; and anthropology and racial thinking. Emphasis on 19th-century imperialism. (DF:M1,M2)



History of Science 181. Science, Technology, and Modernity

Catalog Number: 6978

Robert M. Brain

Half course (fall term). M., W., at 10. EXAM GROUP: 3

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 183. Social and Political Implications of Technology: Conference Course**

Catalog Number: 8588 Enrollment: Limited to 15.

Peter Buck

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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)

***History of Science 184. Technology in America: Conference Course**

Catalog Number: 1617 Enrollment: Limited to 15.

Peter Buck

Half course (fall 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). M., W., at 11. EXAM GROUP: 4

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)

Cross-listed Courses

[Historical Study A-27. Reason and Faith in the West]

[Historical Study A-34. Medicine and Society in America]

[Historical Study B-24. Utopia in the Age of the Scientific Revolution]

Historical Study B-50. Sex and Class in China's Transition to Modernity

[Science A-41. The Einstein Revolution]



[Women's Studies 1201 (formerly 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

Topic to be announced.

***History of Science 206r. Ancient Science: Seminar**

Catalog Number: 2410

John E. Murdoch

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Topic for 2003-04: Controversies in the historiography of Greek mathematics: the development of its axiomatic-deductive character, the discovery and importance of incommensurability, the role of diagrams and figures, and the influence of mathematics on Greek philosophy.

***History of Science 207r. Medieval Science: Seminar**

Catalog Number: 8468

John E. Murdoch

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Topic for 2003-04: The historiography of medieval science and natural philosophy from the late nineteenth century to the present. Consideration of the importance of theology to medieval science and its relation to ancient Greek and early modern science.

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). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2004–05.

***History of Science 222r. Research in the History and Philosophy of Physical Sciences**

Catalog Number: 4178

Peter L. Galison

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Graduate Seminar: Students advance their chosen research with aim of producing a publishable paper. Open to students working in 19th to 21st century sciences and technologies, or boundary work within science/art/architecture. (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). Hours to be arranged.

Topic to be announced. (DF:M3)

History of Science 240. The Body in Health and Disease: Seminar

Catalog Number: 6821

Charles E. Rosenberg

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

“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 2004–05.

[History of Science 250. Sociologies of Science]

Catalog Number: 6211

Everett I. Mendelsohn

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2004–05.

[History of Science 252. The Politics of Knowledge]

Catalog Number: 4797

Everett I. Mendelsohn

Half course (spring term). Hours to be arranged.

Examines the political economy of modern science at level of theory, practice and institution. Case studies from eugenics, the atomic bomb, recombinant DNA and cloning; the restructuring of research in government, university and the private sector; the sources and roles of ethical and social guidelines.

Note: Expected to be given in 2004–05.

History of Science 255. Sociology of Scientific Knowledge

Catalog Number: 8911

Steven Shapin

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A survey of major themes and achievements in the sociological study of scientific knowledge and practice, giving particular attention to the historical and cultural contexts in which this work developed and its usefulness in writing the history of science.



History of Science 258. What is a Disease? History and Ethnography

Catalog Number: 0817

Charles E. Rosenberg

Half course (spring term). Th., 2–5. EXAM GROUP: 16, 17, 18

Graduate seminar concerned with anthropological, historical, and other critical social science accounts of medical classification and disease diagnosis. Contrasts global medical science with indigenous ethnomedical systems and popular lay interpretations based on cultural, religious, and moral categories.

History of Science 259. Theories of Race and/in Science: Seminar

Catalog Number: 9690

Evelynn M. Hammonds

Half course (spring term). W., 4–6. EXAM GROUP: 9

Examines theoretical basis of concepts of race developed by and in modern biology, medicine, epidemiology, anthropology. Compares these scientific theories to historical, sociological, legal, literary, and philosophical analyses of race from 18th century to present.

Note: A significant research paper is required.

History of Science 263. Science and/as Literature: Seminar

Catalog Number: 2704

Mario Biagioli

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Considers relationships between science and literature: literary structure of scientific arguments; history of scientific genres; science fiction and representations of science in popular literature; and the relationship between literary plots and scientific arguments. (DF:M1)

History of Science 264. Intellectual Property in Science

Catalog Number: 8570

Mario Biagioli

Half course (spring term). Th., 4–6. EXAM GROUP: 18

We examine different forms of credit for scientific and technological innovation, comparing publication credit in science and use of patents to protect technoscientific work. Readings range from history of technoscience to legal and literary studies. (DF:M1)

History of Science 273. Freud and the American Academy

Catalog Number: 5828 Enrollment: Limited to 15.

Anne Harrington

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Freud himself and Freud as used, adapted, and denounced in the academy. Freud himself on hysteria, dreams, the unconscious, sex, religion, and aggression. Appropriations and polemics within psychiatry, philosophy, literary criticism, psychohistory, feminism, brain science.

Note: Intended to function as a graduate seminar, but advanced undergraduates with appropriate background in psychology or history of science (e.g., HS 175) will be considered.

[History of Science 275. “The Minded Body”: Theoretical and Empirical Explorations]

Catalog Number: 8536



Anne Harrington

Half course (fall term). Hours to be arranged.

Can historical work be done “under the skin”? A case-study approach to the question, with theoretical readings drawn from “body history,” anthropology, phenomenology and medicine. A significant independent research project will be expected. (DF: M2)

Note: Expected to be given in 2004–05.

[*History of Science 278. In Search of Mind: Seminar]

Catalog Number: 0304

Anne Harrington

Half course (spring term). Hours to be arranged.

Four “expeditions” through “territories” of the mind of interest to many and conquered by none : language, emotion, meaning-making, and memory. The goal: to imagine alternative ways to tell the history of the mindsciences. (DF:M2).

Note: Expected to be given in 2004–05.

History of Science 282. The West and The Rest: Comparative Issues in the History of Non-Western Science

Catalog Number: 6473

Bridie Andrews

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Topic to be announced.

***History of Science 283. Technoprivacy**

Catalog Number: 7383 Enrollment: Limited to 24.

Peter L. Galison and Martha L. Minow (Law School)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Issues raised when technology and science (especially information systems, genetic archiving) permit new forms of surveillance and control of information. Implications for privacy, national security, forensics, public health, safety. Examination of legal, ethical, moral arguments.

Note: Open to undergraduates, graduate students, and law students with permission of instructors. Offered jointly with the Law School as 99070-31.

***History of Science 290r. Selected Topics in History and Philosophy of Biology**

Catalog Number: 8108

Everett I. Mendelsohn

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Challenges of writing the history of biology of the present - genomes, genetic engineering, eugenics, cloning. (DF:M2)

Prerequisite: Ordinarily one half course at the advanced level in history or philosophy of biology.

***History of Science 295r. Critical History**

Catalog Number: 8360 Enrollment: Limited to 12.

Peter L. Galison

Half course (fall term). Th., 4–6. EXAM GROUP: 18



Graduate seminar on theoretical presuppositions of historical writing. This year will focus on theoretical understanding of the unconscious and its implications for historical “agency”. Readings will begin with Freud positioned against Winnicott, Lacan, and Deleuze. (DF:M3)

History of Science 297r. Topics in the History of Medieval Latin Science

Catalog Number: 5050

John E. Murdoch

Half course (spring term). Hours to be arranged.

Topic to be announced. (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.

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, plus resolution of palaeographic problems. (DF:E2)

Prerequisite: Knowledge of Latin, but no previous experience with palaeography required.

Cross-listed Courses

Anthropology 258. What is a Disease? History and Ethnography

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, Allan M. Brandt 3031 (on leave spring term), Peter L. Galison 3239, Owen Gingerich 1159, Anne Harrington 1895 (on leave spring term), Everett I. Mendelsohn 2700, John E. Murdoch 1877 (on leave fall term), Katharine Park 2974 (on leave 2003-04), and Charles E. Rosenberg 3784

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, Mario Biagioli 1756, Robert M. Brain 2676, Allan M. Brandt 3031 (on leave spring term), Peter Buck 1894, Peter L. Galison 3239, Owen Gingerich 1159, Evelyn M. Hammonds 4545, Anne Harrington 1895 (on leave spring term), Erwin N. Hiebert 1187, Gerald Holton 1883, Sarah Jansen 4107 (on leave 2003-04), Everett I. Mendelsohn 2700, John E. Murdoch 1877 (on leave fall term), Katharine Park 2974 (on leave 2003-04), Charles E.



Rosenberg 3784, Barbara Gutmann Rosenkrantz 3651, and A. I. Sabra 2702
Individual work in preparation for the General Examination for the PhD degree.

***History of Science 302. Guided Research**

Catalog Number: 5282

Bridie Andrews 1409, Mario Biagioli 1756, Robert M. Brain 2676, Allan M. Brandt 3031 (on leave spring term), Peter Buck 1894, Peter L. Galison 3239, Owen Gingerich 1159, Evelyn M. Hammonds 4545, Anne Harrington 1895 (on leave spring term), Erwin N. Hiebert 1187, Gerald Holton 1883, Sarah Jansen 4107 (on leave 2003-04), Everett I. Mendelsohn 2700, John E. Murdoch 1877 (on leave fall term), Katharine Park 2974 (on leave 2003-04), Charles E. Rosenberg 3784, Barbara Gutmann Rosenkrantz 3651, and A. I. Sabra 2702

Through regular meetings with faculty advisor, each student 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*)

Mark C. Elliott, Professor of Chinese and Inner Asian History

Robert M. Gimello, Visiting Professor of East Asian Studies and Religious Studies (*University of Arizona*)

William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)

Cemal Kafadar, Vehbi Koc Professor of Turkish Studies

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology (*on leave fall term*)

David J. Roxburgh, Professor of History of Art and Architecture

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 9 Kirkland Place, 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*) (*on leave 2003-04*)

Thomas B. F. Cummins, Dumbarton Oaks Professor of the History of Pre-Columbian and Colonial Art (*Acting Chair*)

Thomas N. Bisson, Henry Charles Lea Professor of Medieval History (*on leave spring term*)

Luis E. Cárcamo-Huechante, Assistant Professor of Romance Languages and Literatures

David L. Carrasco, Neil L. Rudenstine Professor of the Study of Latin America in the Faculty of Divinity and the Faculty of Arts and Sciences

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature

Kathleen M. Coll, Lecturer on Women's Studies

Jorge I. Domínguez, Clarence Dillon Professor of International Affairs

Bradley S. Epps, Professor of Romance Languages and Literatures

Brian D. Farrell, Professor of Biology

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Luis Fernández-Cifuentes, Robert S. and Ilse Friend Professor of Romance Languages and Literatures

Jeffrey Frieden, Stanfield Professor of International Peace

Mary Gaylord, Sosland Family Professor of Romance Languages and Literatures

James Hanken, Professor of Biology and Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology

N. Michele Holbrook, Charles Bullard Professor of Forestry (*on leave spring term*)

Steven R. Levitsky, Assistant Professor of Government and of Social Studies, Associate Professor of Government and of Social Studies

Jane E. Mangan, Assistant Professor of History, Associate Professor of History



J. Lorand Matory, Professor of Anthropology and of African and African American Studies
David H. P. Maybury-Lewis, Edward C. Henderson Professor of Anthropology
José Antonio Mazzotti, Gardner Cowles Associate Professor of Romance Languages and Literatures
Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures
Diana Sorensen, Professor of Romance Languages and Literatures and of Comparative Literature
Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies
Kay B. Warren, Visiting Professor of Anthropology
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 includes members representing seven academic disciplines appointed by the Dean of the Faculty of Arts and Sciences. Harvard students have developed undergraduate programs focused on Latin America in Africa and African 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 300 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 term, 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 Jasanoff, Diebold Professor of Indo-European Linguistics and Philology (*Chair*)
Cedric Boeckx, Assistant Professor of Linguistics
Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology (*on leave 2003-04*)
C.-T. James Huang, Professor of Linguistics (*on leave 2003-04*)
Susumu Kuno, Professor of Linguistics
Lisa Lavoie, Lecturer on Linguistics
Javier Martín-González, Lecturer on Linguistics (*Head Tutor*)
Alan Munn, Visiting Associate Professor of Linguistics (*Michigan State University*) (*spring term only*)
Jeremy Rau, Assistant Professor of Classics and Linguistics

Other Faculty Offering Instruction in the Department of Linguistics

Alfonso Caramazza, Daniel and Amy Starch Professor of Psychology (*on leave spring term*)
Wesley M. Jacobsen, Professor of the Practice of the Japanese Language (*on leave 2003-04*)
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

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 2004–05.

Linguistics 81. Language and Gender

Catalog Number: 6808

Lisa Lavoie



Half course (fall term). Tu., Th., F., at 1. EXAM GROUP: 6, 15

Surveys the impact of biological sex and gender identification on speech and language use. Speech topics include sex differences in vocal tract size, pitch range, vowel timbre; and the use of phonetic variation to project a desired image. Language use topics include apologies, bragging, compliments, intonation, conceptual metaphor, and structuring social and professional interactions with language. Students will collect and analyze their own data.

Linguistics 88. Language and Cognition

Catalog Number: 5126

Cedric Boeckx

Half course (fall term). Tu., Th., at 11; Tu., at 6. EXAM GROUP: 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

Javier Martín-González and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Independent study with a faculty member. For students who wish to pursue a particular linguistic topic not covered in other course offerings.

Note: Students should consult the Head Tutor about having the course count towards the concentration.

***Linguistics 97r. Group Tutorial — Sophomore Year**

Catalog Number: 1791

Javier Martín-González and members of the Department

Half course (fall term; repeated spring term). M., T., or W., 3–5. EXAM GROUP: 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

Javier Martín-González and members of the Department

Half course (fall term). M., Tu., or W., 3–5. EXAM GROUP: 8

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

Javier Martín-González 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

Javier Martín-González 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

Cedric Boeckx

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

Javier Martín-González

Half course (fall term). Tu., Th., F., at 12. EXAM GROUP: 5, 14

An introduction to syntactic theory, analysis and argumentation in the model of generative grammar. Discusses analyses and hypotheses of grammatical structure forming the foundation of current syntactic theory. Emphasis on constituent structure analysis, motivation for transformations, constraints on rule application and conditions on representations. Survey of syntactic phenomena, including argument structure, movement and anaphora.

Linguistics 112b. Intermediate Syntax

Catalog Number: 4730

Cedric Boeckx

Half course (spring term). Tu., Th., at 12; F., at 12. EXAM GROUP: 14

Continuation of 112a. Fundamental principles and parameters of Government and Binding Theory.

Prerequisite: Linguistics 112a.



[Linguistics 113. Acoustic and Articulatory Phonetics]

Catalog Number: 3048

Half course (fall term). Hours to be arranged.

Survey of phonetic phenomena that occur in the world's languages. Introduces basic principles in articulatory phonetics, acoustic phonetics, and aerodynamic mechanisms of speech. Emphasis will be placed on learning the principal techniques of experimental phonetics in the phonetics lab.

Note: Expected to be given in 2004–05.

[Linguistics 114. Introduction to Morphology]

Catalog Number: 1289

Half course (fall term). Hours to be arranged.

An introduction to the analysis of word structure. Topics include the place of word formation in relation to phonological and syntactic phenomena, the nature of the lexicon, current theories of morphology. Consideration of morphological issues in acquisition and processing. Emphasis on the analysis of morphological phenomena in a wide range of typologically diverse languages.

Note: Expected to be given in 2004–05.

Linguistics 115. Introduction to Phonetics and Phonology

Catalog Number: 2791

Lisa Lavoie

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Analysis of phonetic and phonological data from a wide variety of languages. Topics include distinctive feature theory, underlying and surface representations, phonemes, rules and their ordering, phonetic and phonological issues in speech synthesis, automatic speech recognition, language acquisition, disorders, and change. Training in producing the sounds of the world's languages, phonetic transcription, and spectrogram ("voiceprint") reading.

[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 provides the formal tools to characterize truth-conditional meanings of sentences. Topics covered include the relation between form and meaning, ambiguity, reference, the role of context dependency, quantifier scope, and variable-binding.

Note: Expected to be given in 2004–05.

Linguistics 117r. Linguistic Field Methods

Catalog Number: 8401

Lisa Lavoie

Half course (spring term). M., 3–6. EXAM GROUP: 8, 9

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 12. EXAM GROUP: 5

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 knowledge of Japanese required.

Linguistics 120. Introduction to Historical Linguistics

Catalog Number: 8486

Jeremy Rau

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 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 2004–05.

Linguistics 123. Indo-European Phonology and Morphology

Catalog Number: 9259

Jay Jasanoff

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Designed as a sequel to Linguistics 122. A detailed overview of Indo-European comparative grammar, with emphasis on recent developments and discoveries.

Linguistics 142. Bilingual Grammar

Catalog Number: 9670

Javier Martín-González

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Analysis of the phenomenon of bilingualism from the perspective of linguistics as a cognitive science. Topics include the relationship between mind and language in bilinguals; the acquisition of multiple grammatical systems and how they evolve in individuals; and code-switching and the constraints it is subject to. Concepts and findings from both theoretical linguistics and



experimental psycholinguistics will also be introduced.

Prerequisite: An introductory course in linguistics (e.g. Social Analysis 34 or Ling 110) is desirable, but not required.

Linguistics 145. Syntax and Interpretation

Catalog Number: 5755

Alan Munn (Michigan State University)

Half course (spring term). M., W., at 12. EXAM GROUP: 5

How does the meaning of a sentence derive from the combination of the meanings of the words it contains? It is generally assumed that word meanings by themselves are not sufficient to account for sentence meanings, and that syntax plays an important role. We explore the hypothesis that there is an abstract level of syntax called Logical Form which, in combination with word meanings, determines a substantial part of the meanings of sentences.

[Linguistics 158r. From Indo-European to Old Irish]

Catalog Number: 3801

Half course (spring term). Hours to be arranged.

Essentials of Celtic historical and comparative grammar.

Note: Expected to be given in 2004–05.

Prerequisite: Some acquaintance with either Indo-European or Old Irish.

Linguistics 168. Introduction to Germanic Linguistics

Catalog Number: 7925

Jay Jasanoff

Half course (spring term). M., W., at 2. EXAM GROUP: 7

An introduction to the comparative and historical linguistics of the Germanic family, with emphasis on Gothic and the early medieval languages.

[Linguistics 170. Structure of Hindi]

Catalog Number: 8068

Half course (spring term). Hours to be arranged.

The course will investigate the following topics in the structure of Hindi and the related language Urdu: Free Word Order, focusing in particular on the semantic and pragmatic impact of scrambling; Relativization, focusing on the distinction between correlatives, restrictive relatives and free relatives; Wh Movement, focusing on the absence of wide scope effects for wh in-situ and the alternative partial movement/scope marking strategy used to derive those effects.

Note: Expected to be given in 2004–05.

[Linguistics 171. Structure of Chinese]

Catalog Number: 4346

C.-T. James Huang

Half course (fall term). Hours to be arranged.

Introduction to the syntactic structure of Mandarin Chinese: the basic structure of clauses and nominal constituents; words, compounds, and phrases; word order and variations; selected



special topics (passives, resultatives, ba-construction, topic and relativized structures, questions, anaphora, pro drop); syntactic structure and semantic interpretation.

Note: Expected to be given in 2004–05.

Prerequisite: Linguistics 112a in previous or current term.

[Linguistics 173. Linguistic Issues in the Teaching of Japanese]

Catalog Number: 4208

Wesley M. Jacobsen

Half course (spring term). Hours to be arranged.

An examination of selected phenomena in Japanese phonology, morphology, and syntax with special attention to difficulties encountered in the acquisition of Japanese by adult native English speakers.

Note: Expected to be given in 2005–06.

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 2004–05.

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 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 2006–07.

Prerequisite: Knowledge of Japanese equivalent to Japanese 101b, or familiarity with historical linguistics, or permission of the instructor.

Cross-listed Courses

[**Ancient Near East 112. Wor\(l\)d Classification in Ancient Egypt**](#)

[**Classics 191. Comparative Mythology**](#)

[**English 101. The History and Structure of the English Language**](#)

[**Greek 134. The Language of Homer**](#)

[**\[Latin 134. Archaic Latin\]**](#)

[**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

Cedric Boeckx

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

The third course in the syntax sequence, focusing on major issues in current syntactic theory. Topics include head movement, case and agreement, anaphora, constraints on movement and derivations.

Prerequisite: Linguistics 112b or permission of instructor.

Linguistics 204r. Topics in Syntax

Catalog Number: 6446

Alan Munn (Michigan State University)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Examination of current issues of syntactic theory representing instructor's and/or students' research interest.

[Linguistics 205r (formerly Linguistics 205). The Syntax-Semantics Interface]

Catalog Number: 0776

C.-T. James Huang

Half course (fall term). Hours to be arranged.

An exploration of issues related to the architecture of the grammar, with emphasis on the structures that are interpreted at the semantic interface, and how they are derived.

Note: Expected to be given in 2004–05.

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). Hours to be arranged.

How do predicates differ in their argument selection properties? How are lexical properties projected to syntactic structures? How do languages differ in syntactic structures and what explains the variations?

Note: Expected to be given in 2004–05.

[Linguistics 207. Topics in Semantics]

Catalog Number: 8812

Half course (spring term). Hours to be arranged.

This seminar explores the role of number marking on the common noun in determining whether



such terms will be bare or definite. It also focuses on the choice between positing null determiners vs. constraining type-shifts.

Note: Expected to be given in 2004–05.

Linguistics 215. Phonological Theory

Catalog Number: 5612

Lisa Lavoie

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Surveys the phonological structures, both the representations and their manipulation, that have evolved over the last half century. Motivates the transitions from linear to non-linear or autosegmental representations and from derivational to non-derivational models, leading to current theory.

[Linguistics 219r. Advanced Phonology]

Catalog Number: 2154

Half course (spring term). Hours to be arranged.

An in-depth examination of the role of phonetics in phonology. Phonetically-driven phonological phenomena will be discussed from both a synchronic and diachronic perspective. Topics include rich representation, phonetics in history, and phonetics in learning.

Note: Expected to be given in 2004–05.

Linguistics 220ar. Advanced Indo-European

Catalog Number: 3428

Jay Jasanoff

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Topics in Indo-European comparative grammar. Conducted as a seminar.

Linguistics 221r. Workshop in Indo-European

Catalog Number: 1008

Jay Jasanoff

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

The topic for the year will be arranged in consultation with interested students. Conducted as a seminar.

[Linguistics 224. Historical and Comparative Linguistics]

Catalog Number: 2967

Jay Jasanoff

Half course (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 2004–05.

[Linguistics 225a. Introduction to Hittite]

Catalog Number: 8206



Half course (fall term). Hours to be arranged.

Grammar and reading of texts in cuneiform and in transliteration; essentials of the comparative grammar of the Indo-European languages of Anatolia.

Note: Expected to be given in 2004–05. No previous knowledge of cuneiform presumed.

[Linguistics 226r. Advanced Hittite]

Catalog Number: 0858

Half course (fall term). Hours to be arranged.

Grammar and text readings in Cuneiform and Hieroglyphic Luvian.

Note: Expected to be given in 2004–05. Provisions will be made for any student who wishes to begin Hittite this term.

Linguistics 241r. Practicum in Syntax and Phonology

Catalog Number: 4260

Cedric Boeckx 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 Jasanoff

Half course (spring term). Hours to be arranged.

Presentation of reports on current research or assigned topics.

Note: Required of both second- and third-year graduate students concentrating in historical linguistics.

[Linguistics 247. Topics in Germanic Linguistics]

Catalog Number: 3693

Jay Jasanoff

Half course (spring term). Hours to be arranged.

Investigation of selected topics in Germanic historical linguistics.

Note: Expected to be given in 2004–05.

[Linguistics 250. Old Church Slavonic]

Catalog Number: 8449

Michael S. Flier

Half course (fall term). Hours to be arranged.

History of the first Slavic literary language, its role in Slavic civilization; phonology, morphology, syntax, and vocabulary of Old Church Slavonic; reading from canonical texts.

Note: Expected to be given in 2004–05.



[Linguistics 252. Comparative Slavic Linguistics]

Catalog Number: 3571

Michael S. Flier

Half course (spring term). Hours to be arranged.

Introduction to the historical phonology and morphology of the Slavic languages with special attention to relative chronology and linguistic geography.

Note: Expected to be given in 2004–05.

Prerequisite: Linguistics 250.

Linguistics 291r. Functional Approach to Syntax

Catalog Number: 5046

Susumu Kuno

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

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

Arabic 240r. Classical Arabic Philology

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]

[*Computer Science 287r. Natural Language Processing]

[Computer Science 288. Computational Models of Discourse]

Semitic Philology 200r. Comparative Semitic Grammar: Seminar

[Slavic 201. Introduction to East Slavic Languages]

[Slavic 296r. Slavic Linguistics: Seminar]

Graduate Courses of Reading and Research

***Linguistics 300. Direction of Doctoral Dissertations**

Catalog Number: 6729

Cedric Boeckx 4716, Alfonso Caramazza 1871 (on leave spring term), Michael S. Flier 2878 (on leave 2003-04), C.-T. James Huang 4066 (on leave 2003-04), Wesley M. Jacobsen 3443 (on leave 2003-04), Jay Jasanoff 1661, Susumu Kuno 1083, Lisa Lavoie 2829, Javier Martín-González 4565, Alan Munn (Michigan State University) 4832 (spring term only), Jeremy Rau 4657, and P. Oktor Skjaervo 2869

***Linguistics 301. Reading or Special Topics Course**

Catalog Number: 0861

Members of the Department and others listed under Linguistics 300.



Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Literature

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*Chair*)
Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and
Professor of Comparative Literature (*on leave fall term*)

Julie A. Buckler, Professor of Slavic Languages and Literatures

Luis E. Cárcamo-Huechante, Assistant Professor of Romance Languages and Literatures

Eileen Cheng-yin Chow, Assistant Professor of Chinese Literary and Cultural Studies

Tom Conley, Professor of Romance Languages and Literatures (*on leave 2003-04*)

Leland P. Deladurantaye, Assistant Professor of English and American Literature and Language
(*on leave spring term*)

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
(*on leave spring term*)

Marjorie Garber, William R. Kenan, Jr. Professor of English

Luis M. Girón Negrón, Assistant Professor of Comparative Literature and of Romance
Languages and Literatures

John T. Hamilton, Assistant Professor of Comparative Literature and of Germanic Languages
and Literatures

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*on leave
2003-04*)

Despina Kakoudaki, Assistant Professor of Visual and Environmental Studies and of
Comparative Literature (*on leave 2003-04*)

James L. Kugel,

Avi Matalon, Assistant Professor of Near Eastern Languages and Civilizations

Christie McDonald, Smith Professor of French Language and Literature (*on leave 2003-04*)

Sandra Naddaff, Senior Lecturer on Literature (*Director of Studies*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of
Comparative Literature

Stephen Owen, James Bryant Conant University Professor

John M. Picker, Assistant Professor of English and American Literature and Language (*on leave
fall term*)

Eric Rentschler, Professor of German (*on leave 2004-05*)

Judith Ryan, Robert K. and Dale J. Weary Professor of German and Comparative Literature

Sharmila Sen, Assistant Professor of English and American Literature and Language (*on leave
spring term*)

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 fall term*)

Other Faculty Offering Instruction in the Literature Concentration

Stanley Cavell, Walter M. Cabot Professor of Aesthetics and the General Theory of Value, Emeritus

Verena A. Conley,

Evelyn Ender, Lecturer on Literature

Melinda G. Gray, Allston Burr Senior Tutor in Pforzheimer House, Lecturer on Literature

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 term 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 term 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 term of Literature 98a is required of all concentrators in their junior year.

***Literature 98b. Tutorial — Junior Year**

Catalog Number: 1528



Sandra Naddaff and members of the Committee and Tutorial Board
Half course (spring term). Hours to be arranged.

Note: Successful completion of one term of Literature 98b is required of all concentrators in their junior year.

***Literature 99a. Tutorial — Senior Year**

Catalog Number: 4857

Sandra Naddaff and members of the Committee and Tutorial Board
Half course (fall term). Hours to be arranged.

Note: Successful completion of one term of Literature 99a is required of all concentrators in their senior year.

***Literature 99b. Tutorial — Senior Year**

Catalog Number: 1290

Sandra Naddaff and members of the Committee and Tutorial Board
Half course (spring term). Hours to be arranged.

Note: Successful completion of one term of Literature 99b is required of all concentrators in their senior year.

For Undergraduates and Graduates

***Literature 100. Narrative Forms**

Catalog Number: 5556 Enrollment: Limited to 15.

Sandra Naddaff

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

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*, *Madame Bovary*, *The Sound and The Fury*, and *Season of Migration to the North*, as well as important works of narrative theory.

Note: Preference given to Literature concentrators.

[*Literature 109. On Translation]

Catalog Number: 0594 Enrollment: Limited to 20.

Sandra Naddaff

Half course (fall term). Hours to be arranged.

Examines theories of translation from various periods (Dryden, Schopenhauer, Schleiermacher, Benjamin, de Man, among others). Also looks closely at specific translated texts (e.g., various English translations of *The Thousand and One Nights*), and considers such topics as the notion of “unequal languages,” the problem of cultural translation, the genre of the bi-cultural memoir, and the possibility of untranslatability. Final project involves an original translation and commentary.

Note: Expected to be given in 2004–05. Preference given to Literature concentrators.

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 112. Egypt in the European Imaginary]

Catalog Number: 1742

John T. Hamilton

Half course (fall term). Hours to be arranged.

On the invention of Egypt as a polysemous site of origin, otherness, femininity, and esoteric knowledge. Topics: mystery cults; racial/cultural difference; hieroglyphic theories and hermeticism; national identity and imperialism; etc, in Herodotus, Plato, Roman poetry, Plutarch, Josephus, Warburton, Mozart, Schiller, Hegel, Nerval, Poe, Freud, and H.D.

Note: Expected to be given in 2004–05.

***Literature 122. Literature and Music**

Catalog Number: 2360 Enrollment: Limited to 20.

Sandra Naddaff

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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 music and poetry. Works include various versions of the Orpheus myth, *The Kreuzer Sonata*, *Ulysses*, *West Side Story*, *Jazz*, *An Equal Music*, as well as various theoretical texts on aesthetics and representation.

Note: Preference given to Literature concentrators.

[*Literature 124. Space and Place in Postmodern Culture]

Catalog Number: 8228 Enrollment: Limited to 20.

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 teletechnologies and globalism. Studies space and place through fiction (Augé, Perec and others), film (Akerman, Godard, Wenders) and theory (Baudrillard, de Certeau, Deleuze, Lefebvre, Lyotard and Virilio).

Note: Expected to be given in 2004–05.

***Literature 128. Performing Texts**

Catalog Number: 3404 Enrollment: Limited to 20.

Julie A. Buckler

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

What is the relationship between dramatic text and performed work? How do plays give rise to their audiences? Investigates dramatic texts and theatrical contexts of Pushkin, Shakespeare, Gogol, Chekhov, Ibsen, Wilde, Gorky, Blok, Mayakovsky, Shaw, Kharms, Beckett, Sartre, O'Neill, Williams, Miller, and others. Topics include contemporary updates of canonical works,



cross-cultural appropriations (among them Western versus Russian productions of Chekhov), theories of drama and culture, and parallel stagings in drama, opera, and film.

[*Literature 130. Reconfiguring the City]

Catalog Number: 1034 Enrollment: Limited to 20.

Verena A. Conley

Half course (spring term). Hours to be arranged.

Examines ways of reading and writing the city; the impact of technologies, teletechnologies and the rise of consumerism on the concept of the city and its inhabitants; transformations of the modern, postmodern and postcolonial city. Analyzes changing concepts of citizens, subjects and flâneurs; relations between cosmopolis and the global city. Studies literature (Balzac, Baudelaire, Perec, Pynchon, Calvino, Cixous and others), film (Stanley Kwan, Eric Khoo, Patrick Keiller), and theory (Baudrillard, Benjamin, Debord, Jameson, Lefebvre, Koolhaas and others).

Note: Expected to be given in 2004–05.

***Literature 136. Writers and Their Medium**

Catalog Number: 5842 Enrollment: Limited to 20.

Verena A. Conley

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Focuses on the relation between writers and the act of writing; on aesthetics and ethics, performance and representation, on the relation of writing to philosophy and psychoanalysis. Texts include Blanchot, Cixous, James, Joyce, Kafka, Kleist, Lispector, Rilke, Tsvetayeva and others.

***Literature 138 (formerly Slavic 143). Russian Formalism**

Catalog Number: 0724 Enrollment: Limited to 20.

Justin Weir

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

We consider major works of the Russian Formalists in English translation. Central texts by Viktor Shklovsky, Boris Eikhenbaum, Yury Tynyanov, and Roman Jakobson are analyzed alongside stories by Gogol, Dostoevsky, Pasternak, and Eisenstein's film, "October." The last third of the course is devoted to Bakhtin's theory of the novel, Czech structuralism, and recent Formalist-influenced movements in Western literary criticism.

Note: All readings in English.

[*Literature 140. Colonial and Post-Colonial Spaces: France and North Africa]

Catalog Number: 9366 Enrollment: Limited to 20.

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 notions of language, subjectivity, citizenship, nation, community, territory and identity. We will also examine the emergence of new cultural spaces in connection with urban immigration in France and Europe. Studies literature (Begag, Boudjedra, Charef, Kateb Yacine, Khatibi, Memmi), film (Allouache, Djebbar, Julien, Kassovitz) and theory (de Certeau, Fanon, Derrida, Said).

Note: Expected to be given in 2005–06.



***Literature 142. Topics in Philosophy and Literature**

Catalog Number: 8903 Enrollment: Limited to 25.

Stanley Cavell

Half course (spring term). W., 4–6. EXAM GROUP: 9

Background questions: Do we understand what it is to read a literary text as philosophy and to read a philosophical text as literature? Is there such a thing as disciplinary transgression? Is this “merely” a matter of institutional convention? Readings in J. L. Austin, Derrida, Shoshana Felman, Emerson, Heidegger, Nietzsche, Shakespeare, and Cavell. Screening of Wagner’s “Tannhauser” and Istvan Szabo’s “Meeting Venus.”

Cross-listed Courses

Chinese Literature 132. Chinatowns

[Chinese Literature 150. Diaspora and Transnationalism]

Comparative Literature 111. From Type to Self in the Middle Ages

[Comparative Literature 112. Religion and Literature in the Middle Ages]

[Comparative Literature 135. Literature and the Visual Arts: Iconophilia and Iconoclasm]

[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 172 (formerly *Comparative Literature 269). Paralysis**

[Comparative Literature 174. American Babel]

[Comparative Literature 183. Film and the Human Body]

[*Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar]

[Comparative Literature 208. Experience and Expression: Seminar]

***Comparative Literature 211. Mysticism and Literature: Seminar**

[*Comparative Literature 227. Fictions of Kin and Kind in the Renaissance: Seminar]

[*Comparative Literature 261. Memory and Modernity: Seminar]

[Comparative Literature 265. Vision in Motion: Approaching Early Cinema]

Comparative Literature 275. Theory of Narrative: Conference Course

[*Comparative Literature 283. Language War: Seminar]

***Comparative Literature 287r. Selected Topics in Poetics and Rhetoric: Seminar**

***English 90ui. The Indian Novel in English**

English 167p. Postcolonial Narratives

English 187d. American Literatures in Languages Other than English

[English 190. Major Critical Approaches]

English 199t. Animals That Talk

[French 132a. 20th-Century French Fiction I: The Realist Mode]

French 132b. 20th-Century French Fiction II: The Experimental Mode

[French 137. 20th Century French Theater]

[French 167. Parisian Cityscapes]

[French 184. Cinema and the *auteur*]

French 267. The Public Intellectual in France, from Zola to Bourdieu

French 271. Legacies of Poststructuralism: An Introduction



[French 279. Spatial Textures of Critical Theory]

[German 151. Franz Kafka: Modernity and Its Discontents]

[German 180 \(formerly Comparative Literature 215\). Melopoeia: On German Music and Letters](#)

[German 242 (formerly Comparative Literature 268). Germany and the Greeks: Philhellenism from Winckelmann to George (1755-1914)]

[Jewish Studies 113. Self and Society in Jewish Literature](#)

[Latin American Studies 110. Dictatorship/Postdictatorship: Memory, Media and Market Culture](#)

[Romance Studies 171. The Spanish Civil War from Both Sides of the Border]

[Romance Studies 196. Other Romances: Literature, Cinema, and Queerness](#)

[Slavic 142. Authorship and the Post-Revolutionary Russian Novel]

[Women's Studies 1404 (formerly Women's Studies 166). Women, Technology, and the Body]

Mathematics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Mathematics

Joseph D. Harris, Higgins Professor of Mathematics (*Chair*)

Paul G. Bamberg, Senior Lecturer in Mathematics

Laurent Berger, Benjamin Peirce Assistant Professor of Mathematics

John D. Boller, Preceptor in Mathematics, Preceptor in Continuing Education and Univ. Exten.

Alexander Braverman, Benjamin Peirce Assistant Professor of Mathematics (*on leave spring term*)

Derek Bruff, Preceptor in Mathematics

David Burns, Visiting Professor of Mathematics (*King's College London*) (*spring term only*)

Francesco Calegari, Benjamin Peirce Assistant Professor of Mathematics

Albert Chau, Benjamin Peirce Assistant Professor of Mathematics (*on leave 2003-04*)

Tom Coates, Benjamin Peirce Assistant Professor of Mathematics

Alberto De Sole, Benjamin Peirce Assistant Professor of Mathematics

Noam D. Elkies, Professor of Mathematics (*on leave spring term*)

Andrew Engelward, Preceptor in Mathematics

Matthias Flach, Visiting Professor of Mathematics (*California Institute of Technology*) (*spring term only*)

Daniel L. Goroff, Professor of the Practice of Mathematics (*on leave spring term*)

Robin Gottlieb, Senior Preceptor in Mathematics

Benedict H. Gross, George Vasmer Leverett Professor of Mathematics and Dean of Harvard



College

David Helm, Benjamin Peirce Assistant Professor of Mathematics
 Arthur M. Jaffe, Landon T. Clay Professor of Mathematics and Theoretical Science
 Thomas W. Judson, Preceptor in Mathematics
 Oliver Knill,
 Joachim Krieger, Benjamin Peirce Assistant Professor of Mathematics (*on leave fall term*)
 Peter B. Kronheimer, Professor of Mathematics
 Matthew P. Leingang, Preceptor in Mathematics
 Laura F. Matusevich, Benjamin Peirce Assistant Professor of Mathematics
 Barry C. Mazur, Gerhard Gade University Professor
 Curtis T. McMullen, Maria Moors Cabot Professor of the Natural Sciences (*on leave spring term*)
 Jeffrey McNeal, Visiting Professor of Mathematics (*Ohio State University*) (*fall term only*)
 Mircea Mustata, Post-Doctoral Fellow in Mathematics, Visiting Lecturer on Mathematics (*Cambridge University*) (*spring term only*)
 Andreea C. Nicoara, Benjamin Peirce Assistant Professor of Mathematics
 Martin A. Nowak, Professor of Mathematics and of Biology
 Mihnea Popa, Benjamin Peirce Assistant Professor of Mathematics
 Weiyang Qiu, Benjamin Peirce Assistant Professor of Mathematics, Associate of Leverett House
 Gerald E. Sacks, Professor of Mathematical Logic (*on leave spring term*)
 Wilfried Schmid, Dwight Parker Robinson Professor of Mathematics
 Yum Tong Siu, William Elwood Byerly Professor of Mathematics
 William A. Stein, Benjamin Peirce Assistant Professor of Mathematics
 Shlomo Z. Sternberg, George Putnam Professor of Pure and Applied Mathematics
 Clifford Taubes, William Petschek Professor of Mathematics (*Director of Undergraduate Studies*)
 Richard L. Taylor, Herchel Smith Professor of Mathematics (*Director of Graduate Studies*)
 Dylan P. Thurston, Benjamin Peirce Assistant Professor of Mathematics
 Shing-Tung Yau, William Casper Graustein Professor of Mathematics
 Jessica Young, Visiting Lecturer in Mathematics (*MIT*) (*fall term only*)
 Ilia Zharkov, Benjamin Peirce Assistant Professor of Mathematics

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 in courses such as Mathematics 1a, 1b, 19, 20, and 21a,b. The Harvard Mathematics Placement Test results recommend the appropriate starting level course, either Mathematics Xa, 1a, 1b, or 21. Recommendation for Mathematics 21 is sufficient qualification for Mathematics 19, 20, 21a, 23a, and 25a.

In any event, what follows briefly describes these courses: Mathematics 1a introduces the basic ideas and techniques of calculus while Mathematics 1b covers integration techniques, differential equations, sequences and series. Mathematics 21a covers multi-variable calculus while



Mathematics 21b covers basic linear algebra with applications to differential equations. Students who do not place into (or beyond) Mathematics 1a can take Mathematics Xa, Xb, a two-term sequence which integrates calculus and precalculus material and prepares students to enter Mathematics 1b.

There are a number of options available for students whose placement is to Mathematics 21. For example, Mathematics 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, 112, 121, 141, and 152. Of these, note that Mathematics 101 and 152 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.

Thomas W. Judson, Derek Bruff, and members of the Department

Half course (fall term). Section meeting times: Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M. W. F., at 12 (with sufficient enrollment). EXAM GROUP: 1

The study of functions and their rates of change. Fundamental ideas of calculus are introduced early and used to provide a framework for the study of mathematical modeling involving algebraic, exponential, and logarithmic functions. Thorough understanding of differential calculus promoted by yearlong reinforcement. Applications to biology and economics emphasized according to the interests of our students.

Note: Required first meeting: Monday, September 15, 8:30 am, Science Center A. The sequence Xa, Xb gives solid preparation for Mathematics 1b. This course, when taken for a letter grade together with Mathematics Xb, meets the Core area requirement for Quantitative Reasoning.

Mathematics Xb. Introduction to Functions and Calculus II

Catalog Number: 3857 Enrollment: Normally limited to 15 students per section.

Derek Bruff, Thomas W. Judson, and members of the Department

Half course (spring term). Section I: M., W., F., at 10; Section II: M. W., F., at 11; Section III: M., W., F., at 12 (with sufficient enrollment); and a twice weekly lab session to be arranged. EXAM GROUP: 1

Continued investigation of functions and differential calculus through modeling; an introduction to integration with applications; an introduction to differential equations. Solid preparation for Mathematics 1b.

Note: This course, when taken for a letter grade together with Mathematics Xa, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics Xa.

Mathematics 1a. Introduction to Calculus

Catalog Number: 8434 Enrollment: Normally limited to 30 students per section.

Robin Gottlieb (fall term), Matthew P. Leingang (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. Spring: Section I, M., W., F., at 10; Section II, Tu.Th. 10-11:30 (with sufficient enrollment) and a weekly problem section to be arranged. EXAM GROUP: 1

The development of calculus by Newton and Leibniz ranks among the greatest achievements of the past millennium. This course will help you see why by introducing: how differential calculus treats rates of change; how integral calculus treats accumulation; and how the fundamental theorem of calculus links the two. These ideas will be applied to optimization, graphing, mechanisms, and problems from many other disciplines.

Note: Required first meeting in fall: Tuesday, September 16, 8:30 am, Science Center D. This



course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: A solid background in precalculus.

Mathematics 1b. Calculus, Series and Differential Equations

Catalog Number: 1804 Enrollment: Normally limited to 30 students per section.

Matthew P. Leingang (fall term), Robin Gottlieb (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); Section V: Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1, and
a weekly problem section to be arranged. Required exams: Hours to be arranged. EXAM
GROUP: 1

Speaking the language of modern mathematics requires fluency with the topics of this course: infinite series, integration, and differential equations. Model practical situations using integrals and differential equations. Learn how to represent interesting functions using series and find qualitative, numerical, and analytic ways of studying differential equations. Develop both conceptual understanding and the ability to apply it.

Note: Required first meeting in fall: Monday, September 15, 8:30 am, Science Center C.

Required first meeting in spring: Wednesday, February 4, 8:30 am, Science Center A. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1a, or Xa and Xb, or equivalent.

Mathematics 19. Mathematical Modeling

Catalog Number: 1256

Thomas W. Judson

Half course (fall term). M., W., F., at 1, and a weekly problem section to be arranged. EXAM
GROUP: 6

Considers the construction and analysis of mathematical models that arise in the environmental sciences, biology, the ecological sciences, and in earth and atmospheric sciences. Introduces mathematics that 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. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Mathematics 20. Introduction to Linear Algebra and Multivariable Calculus

Catalog Number: 0906

Derek Bruff (fall term) and Matthew P. Leingang (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 section to be arranged. EXAM GROUP: 1, 2

Introduction to linear algebra, including vectors, matrices, and applications. Calculus of functions of several variables, including partial derivatives, constrained and unconstrained optimization, and applications. Covers the topics from Mathematics 21a,b which are most



important in applications to economics, the social sciences, and some other fields.

Note: Should not ordinarily be taken in addition to Mathematics 21a,b. Examples drawn primarily from economics and the social sciences though Mathematics 20 may be useful to students in certain natural sciences. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or equivalent, or an A or A- in Mathematics 1a, or a 5 on the AB or a 3 or higher on the BC Advanced Placement Examinations in Mathematics.

Mathematics 21a. Multivariable Calculus

Catalog Number: 6760 Enrollment: Normally limited to 30 students per section.

Andrew Engelward (fall term), Wilfried Schmid, and Oliver Knill (spring term)

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12; Section V, Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1; and a weekly problem section to be arranged. Required exams: Hours to be arranged. EXAM GROUP: 1

To see how calculus applies in practical situations described by more than one variable, we study: Vectors, lines, planes, parameterization of curves and surfaces; Partial derivatives, directional derivatives, and the gradient; Optimization and critical point analysis, including constrained optimization and the Method of Lagrange Multipliers; Integration over curves, surfaces, and solid regions using Cartesian, polar, cylindrical, and spherical coordinates; Divergence and curl of vector fields; and the Green's, Stokes', and Divergence Theorems.

Note: Required first meeting in spring: Wednesday, February 4, 8:30 am, Science Center D. May not be taken for credit by students who have passed Applied Mathematics 21a. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning. Activities using computers to calculate and visualize applications of these ideas will not require previous programming experience. Special sections for students interested in physics or biochemistry and social sciences are offered each term. 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.

Oliver Knill (fall term), Clifford Taubes, and Andrew Engelward (spring term)

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11. 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 section to be arranged. EXAM GROUP: 1

Matrices provide the algebraic structure for solving myriad problems across the sciences. We study matrices and related topics such as vectors, Euclidean spaces, linear transformations, determinants, eigenvalues, and eigenvectors. Of applications given, a regular section considers dynamical systems and both ordinary and partial differential equations. Accompanying an introduction to statistical techniques, applications from biology and other data-rich sciences are presented in a biology and statistics section.

Note: Required first meeting in fall: Monday, September 15, 8:30 am, Science Center E.



Required first meeting in spring: Wednesday, February 4, 8:30 am, Science Center C. May not be taken for credit by students who have passed Applied Mathematics 21b. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.
Prerequisite: Mathematics 1b or equivalent. Mathematics 21a is commonly taken before Mathematics 21b, but is not a prerequisite, although familiarity with partial derivatives is useful.

Mathematics 23a. Theoretical Linear Algebra and Multivariable Calculus I

Catalog Number: 2486

John D. Boller

Half course (fall term). M., W., F., at 11, and an hour conference section to be arranged. EXAM GROUP: 4

A rigorous treatment of linear algebra and the calculus of functions of n real variables. Topics include: Construction of number systems, fields; vector spaces and linear transformations, eigenvalues and eigenvectors, multilinear forms, and determinants; elementary topology of Euclidean space, inner products, and norms; differentiation and integration of functions of several real variables, the classical theorems of vector analysis.

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.

See the description in the introductory paragraphs in the Mathematics section of the catalog.

Prerequisite: Mathematics 1b or a grade of 4 or 5 on the Calculus BC Advanced Placement Examination. Mathematics 23 goes well beyond the concepts strictly necessary for Physics 15, which are more closely correlated with Mathematics 21.

Mathematics 23b. Theoretical Linear Algebra and Multivariable Calculus II

Catalog Number: 8571

John D. 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.

Prerequisite: Mathematics 23a.

Mathematics 25a. Honors Multivariable Calculus and Linear Algebra

Catalog Number: 1525

Laurent Berger

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: Only for 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

Laurent Berger



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

Yum Tong Siu

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

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

Yum Tong Siu

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Continuation of Mathematics 55a. Calculus of functions in n variables. Additional topics may include normed linear spaces, differential equations, and Fourier analysis.

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: Limited to candidates for honors in Mathematics who obtain the permission of both the faculty member under whom they want to work and the Director of Undergraduate Studies. May not count for concentration in Mathematics without special permission from the Director of Undergraduate Studies. Graded Sat/Unsat only.

***Mathematics 91r. Supervised Reading and Research**

Catalog Number: 2165

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 2003-04: (1) Geometric Topology (fall), prerequisites: algebra (Math 122) and topology (Math 131); (2) Morse Theory (fall), prerequisite: basic knowledge of manifolds (Math 134 or 135); (3) Computational Group Theory (spring) prerequisite: group theory (Math 122); (4) The Incredible Edible Sphere (spring), prerequisites: topology (Math 131) and experience with smooth manifolds (Math 134 or 135).

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 term in which the tutorial is offered.

For Undergraduates and Graduates

See also Applied Mathematics and Statistics.

Mathematics 101. Sets, Groups and Topology

Catalog Number: 8066

Jessica Young (MIT)

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 106. Ordinary Differential Equations

Catalog Number: 3377

Thomas W. Judson

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Analytic, numerical, and qualitative analysis of ordinary differential equations. Linear equations, linear and non-linear systems. Applications to mechanics, biology, physics, and the social sciences. Existence and uniqueness of solutions and visual analysis using computer graphics.

Topics selected from Laplace transforms, power series solutions, chaos, and numerical solutions.

Prerequisite: Mathematics 19, 20 or 21a.

Mathematics 112. Real Analysis

Catalog Number: 1123

Jeffrey McNeal (Ohio State University)

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

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

Dylan P. Thurston

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Analytic functions of one complex variable: power series expansions, contour integrals, Cauchy's theorem, Laurent series and the residue theorem. Some applications to real analysis, including the evaluation of indefinite integrals. An introduction to some special functions.

Prerequisite: Mathematics 23a,b, 25a,b, or 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

Half course (fall term). Hours to be arranged.

Some complex function theory; Fourier analysis; Hilbert spaces and operators; Laplace's equations; Bessel and Legendre functions; symmetries; and Sturm-Liouville theory.

Note: Expected to be given in 2004–05. Mathematics 115 is especially for students interested in physics.

Prerequisite: Mathematics 21a,b, 23a,b, or 25a,b, and permission of instructor.

Mathematics 116. Convexity and Optimization with Applications

Catalog Number: 5253

Daniel L. Goroff

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

Introduction to real and functional analysis through topics such as convex programming, duality theory, linear and non-linear programming, calculus of variations, and the maximum principle of optimal control theory.

Prerequisite: At least one course beyond Mathematics 21

[Mathematics 118r. Dynamical Systems]

Catalog Number: 6402

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 2004–05.

Prerequisite: Mathematics 21a,b.

[Mathematics 119. Partial Differential Equations and Applications]

Catalog Number: 7326

Half course (spring term). Hours to be arranged.

Partial differential equations with constant coefficients, hyperbolic elliptic, and parabolic equations, Fourier analysis, Green's function.



Note: Expected to be given in 2004–05.

Prerequisite: Familiarity with functions of a complex variable.

Mathematics 121. Linear Algebra and Applications

Catalog Number: 7009

Tom Coates

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Real and complex vector spaces, dual spaces, linear transformations and Jordan normal forms. Inner product spaces. Applications to differential equations, classical mechanics, and optimization theory. Emphasizes learning to understand and write proofs.

Prerequisite: Mathematics 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

Benedict H. Gross

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Algebra is the language of modern mathematics. Provides an introduction to this language, through the study of groups and group actions, vector spaces and their linear transformations, and some general theory of rings and fields.

Prerequisite: Mathematics 21b, or the equivalent training in matrices and linear algebra.

Mathematics 123. Abstract Algebra II: Theory of Rings and Fields

Catalog Number: 5613

Alberto De Sole

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

Francesco Calegari

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

Shlomo Z. Sternberg

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11



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

Definition of Lie algebras, examples, Poincare-Birkhoff-Witt theorem, Levy decomposition.

Semi-simple algebras, their classification and finite-dimensional representations, Verma modules and Weyl character formula.

Mathematics 129. Topics in Number Theory

Catalog Number: 2345

William A. Stein

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Algebraic number theory: local fields, number fields, cyclotomic fields, and complex multiplication. Copious numerical examples and integrated discussion of how to compute the objects we discuss.

Prerequisite: Mathematics 122 and 123.

Mathematics 131. Topology

Catalog Number: 2381

Dylan P. Thurston

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Basic notions of point set topology such as continuity, compactness, metrizability. Algebraic topology including fundamental groups, covering spaces, and higher homotopy groups.

Prerequisite: Some acquaintance with metric space topology (Mathematics 25a,b, 55a,b, 101, or 112) and with groups (Mathematics 101 or 122).

Mathematics 132. Riemannian and Lorentzian Geometry

Catalog Number: 7149

Shlomo Z. Sternberg

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Levi-Civita connection, curvature, Gauss's lemma, Jacobi fields with applications to general relativity and cosmology; connections on principal bundles with applications to the Standard Model.

Prerequisite: A good grounding in multivariable calculus, such as Mathematics 25, or 55.

[Mathematics 134. Calculus on Manifolds]

Catalog Number: 7150

Half course (fall term). Hours to be arranged.

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.



Note: Expected to be given in 2004–05.

Prerequisite: Mathematics 21a,b and familiarity with proofs as in Mathematics 101, 112, 121, or the equivalent.

Mathematics 135. Differential Topology

Catalog Number: 2107

Clifford Taubes

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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

Alexander Braverman

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Curves and surfaces in 3-space, Gaussian curvature and its intrinsic meaning, Gauss-Bonnet theorem, surfaces of constant curvature.

Prerequisite: Mathematics 21a,b and familiarity with proofs as in Mathematics 101, 112, 121, or equivalent.

Mathematics 137. Algebraic Geometry

Catalog Number: 0556

Laura F. Matusevich

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

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 exploration of the many different flavors of plane geometry. The course begins with finite geometry, then surveys the nine possible Cayley-Klein plane geometries, focusing on Euclidean geometry, the Galilean geometry of uniform motion, spherical and elliptic geometry, and geometries related to relativistic physics such as Minkowskian geometry and hyperbolic geometry. An important tool in the study of these geometries is a study of their symmetry groups.

Prerequisite: Mathematics 21a and 21b (may be taken concurrently), or Mathematics 23a, 25a, or 55a.

Mathematics 141. Introduction to Mathematical Logic

Catalog Number: 0600

Gerald E. Sacks

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14



An introduction to mathematical logic with applications to computer science and algebra. Formal languages. Completeness and compactness of first order logic. Definability and interpolation. Decidability. Unsolvable problems. Computable functions and Turing machines. Recursively enumerable sets. Transfinite induction.

Prerequisite: Any mathematics course at the level of Mathematics 21a,b or higher, or permission of instructor.

[Mathematics 142. Recursion Theory]

Catalog Number: 6531

Gerald E. Sacks

Half course (fall term). Hours to be arranged.

Normal forms. Universal Turing machines. Recursively enumerable sets. Turing degrees. Post's problems. Finite injury arguments. Splitting and density. Infinite injury arguments. Minimal pairs. Minimal degrees and $P \neq NP$.

Note: Expected to be given in 2004–05.

Prerequisite: Mathematics 141, or Computer Science 121 or permission of instructor.

[Mathematics 143. Set Theory]

Catalog Number: 6005

Gerald E. Sacks

Half course (spring term). Hours to be arranged.

Axioms of set theory. Gödel's constructible universe. Consistency of the axiom of choice and of the generalized continuum hypothesis. Cohen's forcing method. Independence of the AC and GCH.

Note: Expected to be given in 2004–05.

Prerequisite: Any mathematics course at the level of 21a or higher, or permission of instructor.

Mathematics 152 (formerly Mathematics 102). Methods of Discrete Mathematics

Catalog Number: 8389

Paul G. Bamberg

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

An introduction to finite groups, finite fields, finite geometry, discrete probability, and graph theory. A unifying theme of the course is the symmetry group of the regular icosahedron, whose elements can be realized as permutations, as linear transformations of vector spaces over finite fields, as collineations of a finite plane, or as vertices of a graph. Taught in a seminar format, and students will gain experience in presenting proofs at the blackboard.

Note: Concentrators in Applied Mathematics or Computer Science will be expected to implement some of the key mathematical ideas of the course in C++. Students who have taken Mathematics 25ab or 55ab should not take this course for credit.

Prerequisite: Mathematics 21b or equivalent.

Mathematics 191. Mathematical Probability

Catalog Number: 4306

Paul G. Bamberg

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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. Applications to computer speech recognition.

Prerequisite: Any mathematics course at the level of Mathematics 21a,b or higher.

Mathematics 192r. Algebraic Combinatorics

Catalog Number: 6612

Laura F. Matusevich

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

This course will enable students to be able to conduct original research in low-dimensional combinatorics. Methods taught include recurrence relations (linear and non-linear), transfer matrices, and generating functions; topics include frieze patterns, number walls and tilings. There is 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

***Freshman Seminar 21u. Calculating Pi**

***Freshman Seminar 23j. Chess and Mathematics**

Philosophy 143. Set Theory

Primarily for Graduates

Mathematics 205. Lie Algebras

Catalog Number: 8612

Alberto De Sole

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Structure theory of finite-dimensional Lie algebras. Classification and construction of finite dimensional semi-simple Lie algebras. Affine Kac-Moody Lie algebras. Verma modules. Weyl character and dimension formulae.

[Mathematics 206. Lie Groups and Lie Algebras]

Catalog Number: 8330

Half course (fall term). Hours to be arranged.

Review of the basic results on Lie groups and Lie algebras, structure of compact Lie groups, finite dimensional representations, Borel-Weil-Bott theorem.

Note: Expected to be given in 2004–05.

Mathematics 212a. Functions of a Real Variable

Catalog Number: 5446

Curtis T. McMullen



Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A rigorous introduction to measurable functions, Lebesgue integration, Banach spaces and duality.

Prerequisite: Topology and basic complex analysis (Mathematics 113 and 131).

[Mathematics 212b. Functions of a Real Variable]

Catalog Number: 7294

Half course (spring term). Hours to be arranged.

Continuation of Mathematics 212a. Techniques for analyzing differential equations and the behavior of their solutions.

Note: Expected to be given in 2004–05.

Prerequisite: Mathematics 212a.

Mathematics 213a. Functions of One Complex Variable

Catalog Number: 1621

Noam D. Elkies

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Fundamentals of complex analysis, and further topics such as harmonic functions, elliptic functions, canonical products, conformal mappings and Riemann surfaces.

Prerequisite: Basic complex analysis or ability to learn quickly.

Mathematics 213b. Further Topics in Classical Complex Analysis

Catalog Number: 2641

Shing-Tung Yau

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Introduction to several complex variables, pseudoconvexity, domains of holomorphy, the $\bar{\partial}$ problem, sheaves and cohomology.

Prerequisite: Mathematics 213a and previous or concurrent enrollment in 212a and b preferred.

Mathematics 217. Representations of Reductive Lie Groups

Catalog Number: 2006

Wilfried Schmid

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Harish Chandra modules, Characters, the discrete series, classification of irreducible representations, Plancherel theorem, arithmetic subgroups.

Mathematics 230ar. Differential Geometry

Catalog Number: 0372

Weiyang Qiu

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

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

Weiyang Qiu

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

A continuation of Mathematics 230ar. Topics in Riemannian geometry, Kähler geometry, Hodge theory, and Yang-Mills theory.

Prerequisite: Differential Topology.

Mathematics 250a. Higher Algebra

Catalog Number: 4384

Barry C. Mazur

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Course introduces ubiquitous algebraic structures and discusses some of their diverse applications. Highlights of the first term: review of Galois theory; the Brauer theory of central simple algebras; representation theory of finite groups; introduction to algebraic number theory.

Prerequisite: Mathematics 123 or equivalent.

Mathematics 250b. Higher Algebra

Catalog Number: 8464

Barry C. Mazur

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Continuation of Mathematics 250a. Some basic commutative algebra. Local and global fields. Study of ideal class groups.

Mathematics 252. Explicit Approaches to Modular Abelian Varieties

Catalog Number: 6088

William A. Stein

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Basic theory of abelian varieties and modular forms, construction of abelian varieties attached to modular forms, algorithms for modular abelian varieties, and the Birch and Swinnerton-Dyer conjecture. Illustrated with numerical examples.

Mathematics 253x. Artin L-functions at $s=0$

Catalog Number: 0431

David Burns (King's College London)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Review of basic concepts of algebraic number theory. Introduction to class field theory. Artin L-functions. The analytic class number formula. Stark's conjectures and the refinements due to Gross, Rubin, and Tate. Recent results.

Mathematics 254x. Automorphic L-functions

Catalog Number: 5037

Richard L. Taylor

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

A discussion of the construction of the product L-function for $GL(n) \times GL(m)$ and some of its applications.



Prerequisite: Familiarity with automorphic forms on adèle groups, and Bernshtein and Zelevinskii.

Mathematics 254y. Automorphic L-Functions: II

Catalog Number: 6015

Richard L. Taylor

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Continuation of Mathematics 254x.

Mathematics 256x. Local Fields

Catalog Number: 7847

Laurent Berger

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Local Fields, with emphasis on p-adic fields. Topics: ramification, Galois cohomology, p-adic analysis and p-adic Galois representations.

Mathematics 257x. Special Values of L-functions

Catalog Number: 8313

Matthias Flach (California Institute of Technology)

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

An introduction to conjectures on values at integer arguments of L-functions of varieties over number fields. A discussion in detail of (the relatively few) proven cases as well as background material on motivic cohomology and reciprocity laws.

Mathematics 260a. Introduction to Algebraic Geometry

Catalog Number: 7004

David Helm

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Introduction to the theory of schemes, sheaf cohomology, and applications.

Prerequisite: Mathematics 250.

Mathematics 260b. Introduction to Algebraic Geometry

Catalog Number: 2745

David Helm

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Continuation of Mathematics 260a.

Mathematics 261x. Perverse Sheaves

Catalog Number: 6639

Alexander Braverman

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Introduction to intersection homology (based on examples). Derived categories. Sheaves on manifolds and Grothendieck's 6 functors. Introduction to t-structures. Perverse sheaves.

Application to representation theory. Coherent perverse sheaves.



Mathematics 264r. Abelian Varieties and Moduli Spaces

Catalog Number: 4831

Mihnea Popa

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A presentation of new techniques and results in the study of abelian varieties and moduli spaces of vector bundles, based on regularity via the Fourier-Mukai transform, multiplier ideals, and moduli spaces of stable maps.

Mathematics 265x. Derived Categories

Catalog Number: 6243

Mircea Mustata (Cambridge University)

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Construction and basic properties of derived categories, tri-angulated categories, derived functors, t-structures. Description of derived categories for quadrics, Grassmanians, Del Pezzo surfaces. Applications: BGG correspondence, Beilinson monads, Fourier-Mukai transform.

Mathematics 266y. Computational Conformal Geometry

Catalog Number: 5165

Shing-Tung Yau

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

An interdisciplinary course between mathematics and computer science. Mathematics theories cover elementary introduction to algebraic topology, compact Riemann surface theory, Hodge theory and geometric harmonic analysis. The computational part introduces surface representation/reconstruction, computing homology/cohomology/conformal structures.

Mathematics 272a. Introduction to Algebraic Topology

Catalog Number: 1666

Peter B. Kronheimer

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

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 11. EXAM GROUP: 4

Spectral sequences and techniques of computation. Vector bundles and characteristic classes. Bott periodicity. K-theory, cobordism and stable cohomotopy as examples of cohomology theories.

Prerequisite: Mathematics 272a.

Mathematics 273x. Toric Varieties and Applications

Catalog Number: 0419

Ilya Zharkov



Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Constructions of toric varieties, topology and intersection theory on them. Hypersurfaces, amoebas, Hodge theory via Gelfand-Kapronov-Zelevinsky machinery. Reflective polytopes, Calabi-Yau manifolds and mirror symmetry.

Mathematics 279x. Smooth Four-Manifolds

Catalog Number: 2285

Peter B. Kronheimer

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

An introduction to smooth four-manifolds and the techniques used to study them: gauge theory, the Seiberg-Witten equations, and related invariants.

Graduate Courses of Reading and Research

***Mathematics 301. Theory and Practice of Teaching in the Mathematical Sciences**

Catalog Number: 4344

Daniel L. Goroff 7683 (on leave spring term)

***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 (on leave spring term)

***Mathematics 314. Topics in Differential Geometry and Mathematical Physics**

Catalog Number: 2743

Shlomo Z. Sternberg 1965

***Mathematics 318. Topics in Number Theory**

Catalog Number: 7393

Barry C. Mazur 1975

***Mathematics 321. Topics in Mathematical Physics**

Catalog Number: 2297

Arthur M. Jaffe 2095

***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 324. Topics in Number Theory**

Catalog Number: 0878

Laurent Berger 4351

***Mathematics 326. Topics in Arithmetic Geometry of Modular Curves and Shimura Curves**

Catalog Number: 2696

David Helm 4630

***Mathematics 327. Topics in Several Complex Variables**

Catalog Number: 0409

Yum Tong Siu 7550

***Mathematics 328. Topics in Lie Algebra**

Catalog Number: 7003

Alberto De Sole 4627

***Mathematics 333. Topics in Complex Analysis, Dynamics and Geometry**

Catalog Number: 9401

Curtis T. McMullen 3588 (on leave spring term)

***Mathematics 335. Topics in Differential Geometry and Analysis**

Catalog Number: 5498

Clifford Taubes 1243

***Mathematics 344. Topics in Number Theory**

Catalog Number: 2526

Francesco Calegari 4435

***Mathematics 345. Topics in Geometry and Topology**

Catalog Number: 4108

Peter B. Kronheimer 1759

***Mathematics 350. Topics in Mathematical Logic**

Catalog Number: 5151

Gerald E. Sacks 3862 (on leave spring term)

***Mathematics 351. Topics in Algebraic Number Theory**

Catalog Number: 3492

Richard L. Taylor 1453

***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

***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 (on leave 2003-04)

***Mathematics 376. Topics in Analysis of Partial Differential Equations**

Catalog Number: 1023

Joachim Krieger 4632 (on leave fall term)

***Mathematics 378. Topics in Computational and Combinatorial Algebraic Geometry**

Catalog Number: 4436

Laura F. Matusevich 4357

***Mathematics 382. Topics in Algebraic Geometry**

Catalog Number: 2037

Joseph D. Harris 2055

***Mathematics 383. Topics in Algebraic Geometry**

Catalog Number: 7736

Ilya Zharkov 4631

***Mathematics 386. Topics in Several Complex Variables and CR Geometry**

Catalog Number: 3746

Andreea C. Nicoara 4374

***Mathematics 388. Topics in Mathematics and Biology**

Catalog Number: 4687

Martin A. Nowak 4568

***Mathematics 389. Topics in Number Theory**

Catalog Number: 6851

Noam D. Elkies 2604 (on leave spring term)

***Mathematics 391. Topics in Differential Geometry and Partial Differential Equations**

Catalog Number: 2974

Weiyang Qiu 4359



***Mathematics 392. Topics in Geometry**

Catalog Number: 8778

Tom Coates 4633

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*) (*Dean of the Division of Medical Sciences*)

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 (*Medical School*)

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*) (*on leave 2004-05*)

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*)

David M. Altshuler, Assistant 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, Associate 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, Astranzeneca Professor of Respiratory and Inflammatory Disease (*Medical School*)
 Frederick Ausubel, Professor of Genetics (*Medical School*)
 Hamid Band, Associate Professor of Medicine (*Medical School*)
 Mark G. Baxter, Assistant Professor of Psychology
 Bruce P. Bean, Professor of Neurobiology (*Medical School*)
 Jonathan R. Beckwith, American Cancer Society Professor of Microbiology and Molecular Genetics (*Medical School*)
 Alan H. Beggs, Associate Professor of Pediatrics (*Medical School*)
 Samuel M. Behar, Assistant Professor of Medicine (*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*)
 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*)
 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*)
 David Borsook, Associate Professor of Radiology (*Medical School*)
 Xandra O. Breakefield, Professor of Neurology (*Medical School*)
 Michael B. Brenner, Theodore Berier Bayles Professor of Medicine (*Medical School*)
 Myles A. Brown, Associate Professor of Medicine (*Medical School*)
 Robert H. Brown, Professor of Neurology (*Medical School*)
 Joan S. Brugge, Professor of Cell Biology (*Medical School*)
 Martha L. Bulyk, Assistant Professor of Medicine and Health Science Technology and Assistant Professor of Pathology (*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*)
 James J. Campbell, Assistant Professor of Pathology (*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*)
Chinfei Chen, Assistant Professor of Neurology (*Medical School*)
Dong Feng Chen, Assistant Professor of Ophthalmology (*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, Arlo R. Castaneda Professor of Cardiovascular Research (*Medical School*)
Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Donald M. Coen, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
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*)
Charles A. Czeisler, Professor of Medicine (*Medical School*)
Patricia A. D'Amore, Professor of Ophthalmology and Pathology (*Medical School*)
Alan D. D'Andrea, Alvan T. and Viola D. Fuller American Cancer Society Professor of Radiation Oncology (*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*)
Martin E. Dorf, Professor of Pathology (*Medical School*)
John E. Dowling, Harvard College Professor and Gordon and Llura Gund Professor of Neurosciences
Glenn Dranoff, Associate Professor of Medicine (*Medical School*)
Catherine Dulac, Professor of Molecular and Cellular Biology (*on leave 2004-05*)
Susan M. Dymecki, Assistant Professor of Genetics (*Medical School*)
Nicholas J. Dyson, Professor of Medicine (*Medical School*)
Michael J. Eck, Associate 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 N. Engelman, Associate Professor of Pathology (*Medical School*)
Florian Engert, Assistant Professor in Molecular and Cellular Biology
Elizabeth C. Engle, Assistant Professor of Neurology (*Medical School*)
Myron E. Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)
R. Alan Ezekowitz, Charles Wilder Professor of Pediatrics (*Medical School*)
Michael R. Farzan, Assistant Professor of Medicine (*Medical School*)
Mel B. Feany, Assistant Professor of Pathology (*Medical School*)
Daniel D. Fiedler, 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*)
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*)
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*)
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*)
Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)
David E. Golan, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Alfred L. Goldberg, Professor of Cell Biology (*Medical School*)
Marcia Goldberg, Associate Professor of Medicine (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*)
Lisa V. Goodrich, Assistant Professor of Neurobiology (*Medical School*)
Heinrich G.J. Gottlinger, Associate Professor of Pathology (*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*)
William C. Hahn, Assistant Professor of Medicine (*Medical School*)
Iswar K. Hariharan, 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*)
Stefan Heller, Assistant Professor of Otolaryngology and Laryngology (*Medical School*)
Martin E. Hemler, Professor of Pathology (*Medical School*)



Darren E. Higgins, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
 Philip W. Hinds, Associate Professor of Pathology (*Medical School*)
 Martin S. Hirsch, Professor of Medicine (*Medical School*) and Professor in the Department of Cancer Biology (*Public Health*)
 Joel N. Hirschhorn, Assistant Professor of Genetics (Pediatrics) (*Medical School*)
 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*)
 David E. Housman, Member of the Faculty of the Harvard-MIT Division of Health Sciences and Technology (*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, Professor of Neurology (*Medical School*)
 Rakesh K. Jain, A. Werk Cook Professor of Radiation Oncology (*Medical School*)
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 C. Ronald Kahn, Mary K. Iacocca Professor of Medicine (*Medical School*)
 Joshua M. Kaplan, Professor of Genetics (*Medical School*)
 Howard R. Katz, Associate Professor of Medicine (*Medical School*)
 Kenneth M. Kaye, Assistant Professor of Medicine (*Medical School*)
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 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*)
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 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*)
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 David M. Knipe, Higgins Professor of Microbiology and Molecular Genetics (*Medical School*)
 Isaac S. Kohane, Associate Professor of Pediatrics and Health Science and Technology (*Medical School*)
 Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Christine L. Konradi, Assistant Professor of Psychiatry (*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*)



Raju Kucherlapati, Paul C. Cabot Professor of Genetics (*Medical School*)
 Vijay K. Kuchroo, Associate Professor of Neurology (*Medical School*)
 Samuel M. Kunes, Professor of Molecular and Cellular Biology
 Louis M. Kunkel, Professor of Genetics and Professor of Pediatrics (*Medical School*)
 Daniel R. Kuritzkes, Associate Professor of Medicine (*Medical School*)
 David J. Kwiatkowski, Associate Professor of Medicine (*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*)
 Jeannie T. Lee, Associate Professor of Genetics (*Medical School*)
 Tun-Hou Lee, Professor of Virology (*Public Health*)
 Norman Letvin, Professor of Medicine (*Medical School*)
 Michael Levin, Assistant Professor of Oral and Developmental Biology (*Dental School*)
 En Li, Associate Professor of Dermatology (*Medical School*)
 Rong Li, Associate Professor of Cell Biology (*Medical School*)
 M. Charles Liberman, Professor of Otology and Laryngology (*Medical School*)
 Andrew H. Lichtman, Associate Professor of Pathology (*Medical School*)
 Judy Lieberman, Associate Professor of Pediatrics (*Medical School*)
 David Morse Livingston, Emil Frei Professor of Medicine (*Medical School*)
 Margaret S. Livingstone, Professor of Neurobiology (*Medical School*)
 Eng H. Lo, Associate Professor of Radiology (*Medical School*)
 Mary R. Loeken, Assistant Professor of Medicine (*Medical School*)
 A. Thomas Look, Professor of Pediatrics (*Medical School*)
 Stephen Lory, Professor of Microbiology and Molecular Genetics (*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*)
 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, Professor of Medicine (*Medical School*)
 Clint L. Makino, Assistant Professor of Ophthalmology (*Medical School*)
 Jarema Malicki, Assistant Professor of Ophthalmology (Genetics) (*Medical School*)
 Eleftheria Maratos-Flier, Associate Professor of Medicine (*Medical School*)
 Richard H. Masland, Charles Anthony Pappas Professor of Neuroscience (*Medical School*)
 Diane J. Mathis, Professor of Medicine (*Medical School*)
 Andrea I. McClatchey, Assistant Professor of Pathology (*Medical School*)
 Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
 John J. Mekalanos, Adele Lehman Professor of Microbiology and Molecular Genetics (*Medical School*)
 Arthur M. Mercurio, Associate Professor of Medicine (*Medical School*)
 Matthew L. Meyerson, Assistant Professor of Pathology (*Medical School*)
 Thomas Michel, Associate Professor of Medicine (*Medical School*)
 Alan M. Michelson, Associate Professor of Medicine (*Medical School*)



Timothy J. Mitchison, Hasib Sabbagh Professor of Cell Biology (*Medical School*)
Danesh Moazed, Assistant Professor of Cell Biology (*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 Münger, Associate Professor of Pathology (*Medical School*)
Venkatesh N. Murthy, Morris Kahn Associate Professor of Molecular and Cellular Biology
Martin G. Myers, Assistant Professor of BCMP (*Medical School*)
Anders Michael Naar, Assistant Professor of Cell Biology (*Medical School*)
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*)
Max L. Nibert, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
Anne Nicholson-Weller, Professor of Medicine (*Medical School*)
Marjorie A. Oettinger, Professor of Genetics (*Medical School*)
Bjørn R. Olsen, Professor of Oral and Developmental Biology and Hersey Professor of Cell Biology (*Dental School, Medical School*)
Stuart H. Orkin, Leland Fikes Professor of Pediatric Medicine (*Medical School*)
Jeffrey D. Parvin, Associate Professor of Pathology (*Medical School*)
David L. Paul, Professor of Neurobiology (*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*)
Martin R. Pollak, Assistant Professor of Medicine (*Medical School*)
Kornelia Polyak, Assistant Professor of Medicine (*Medical School*)
Scott L. Pomeroy, Associate Professor of Neurology (*Medical School*)
Samuel D. Rabkin, Associate Professor of Surgery (*Medical School*)
Laurel A. Raftery, Assistant Professor of Dermatology (*Medical School*)
Klaus Rajewsky, Professor of Pathology (*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*)
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, 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 Allen Rosenberg, Associate Professor of Neurology (*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*)
Joan V. Ruderman, Marion V. Nelson Professor of Cell Biology (*Medical School*)
Ruth M. Ruprecht, Professor of Medicine (*Medical School*)
Gary B. Ruvkun, Professor of Genetics (*Medical School*)
Bernardo L. Sabatini, Assistant Professor of Neurobiology (*Medical School*)
David H. Sachs, Paul S. Russell/Warner Lambert Professor of Surgery (*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*)
Stuart F. Schlossman, Baruj Benacerraf Professor of Medicine (*Medical School*)
Dietmar Schmucker, Assistant Professor of Neurobiology (*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*)
Richard M. Schwartzstein, Associate Professor of Medicine (*Medical School*)
Thomas L. Schwarz, Professor of Neurology and Neurobiology (*Medical School*)
Ralph Scully, Assistant Professor of Medicine (*Medical School*)
Brian Seed, Professor of Genetics (*Medical School*)
Rosalind A. Segal, Associate Professor of Neurology (*Medical School*)
Christine E. Seidman, Professor of Medicine and 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*)
William R. Sellers, Assistant Professor of Medicine (*Medical School*)
Jeffrey E. Settleman, Associate Professor of Medicine (*Medical School*)
William F. Sewell, Associate Professor of Otolaryngology 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*)
Ramesh Arjun Shivdasani, Assistant Professor of Genetics (*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*)
David A. Sinclair, Assistant Professor of Pathology (*Medical School*)
Joseph G. Sodroski, Professor of Pathology (*Medical School*) and Professor of Cancer Biology (*Public Health*)



Bruce M. Spiegelman, Professor of Cell Biology (*Medical School*)
 Timothy A. Springer, Latham Family Professor of Pathology (*Medical School*)
 Michael Starnbach, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
 Thilo Stehle, Assistant Professor of Pediatrics (*Medical School*)
 Joan E. Stein-Streilein, Associate Professor of Medicine (*Medical School*)
 Richard L. Stevens, Associate Professor of Medicine (*Medical School*)
 Charles D. Stiles, Professor of Microbiology and Molecular Genetics (*Medical School*)
 J. Wayne Streilein, Charles L. Schepens Professor of Ophthalmology (*Medical School*)
 Gary R. Strichartz, Professor of Anaesthesia (*Medical School*)
 Jack L. Strominger, Higgins Professor of Biochemistry (*on leave spring term*)
 Kevin Struhl, David Wesley Gaiser Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Mary E. Sunday, Associate Professor of Pathology (*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*)
 Rudolph E. Tanzi, Professor of Neurology (*Medical School*)
 Daniel G. Tenen, Professor of Medicine (*Medical School*)
 David B. Teplow, Associate Professor of Neurology (*Medical School*)
 Cox Terhorst, Professor of Medicine (*Medical School*)
 Sheila Thomas, Assistant Professor of Medicine (*Medical School*)
 Li-Huei Tsai, Professor of Pathology (*Medical School*)
 Sander Van Den Heuvel, Assistant Professor of Medicine (*Medical School*)
 David L. Van Vactor, Associate Professor of Cell Biology (*Medical School*)
 Timothy K. Vartanian, Associate Professor of Neurology (*Medical School*)
 Marc Vidal, Assistant Professor of Genetics (*Medical School*)
 Ulrich H. Von Andrian-Werburg, 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*)
 Howard L. Weiner, Robert L. Kroc Professor of Neurology (*Medical School*)
 Charles J. Weitz, Robert Henry Pfeiffer Professor of Neurobiology (*Medical School*)



Peter F. Weller, Professor of Medicine (*Medical School*)
Michael R. Wessels, Associate Professor of Microbiology (*Medical School*)
Marianne Wessling-Resnick, Professor of Nutrition (*Public Health, Medical School*)
Sean P.J. Whelan, Assistant Professor of Microbiology and Molecular Genetics (*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*)
Fred Winston, Professor of Genetics (*Medical School*)
Dyann F. Wirth, Professor of Tropical Public Health (*Public Health*)
Michael S. Wolfe, Associate Professor of BCMP (*Medical School*)
Clifford Woolf, Richard J. Kitz Professor of Anaesthesia (*Medical School*)
Chao-Ting Wu, Associate Professor of Genetics (*Medical School*)
Kai Wucherpfennig, Associate Professor of Neurology (*Medical School*)
Bruce Yankner, 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, Charles Newis Zewcki Professor of Cancer Biology (*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, genetics, immunology, microbiology and molecular genetics, neurosciences, pathology, physiology, and virology. Qualified undergraduates may be admitted with the permission of the instructor and the student's department of concentration, as far as the facilities of the special laboratories permit. Inquiries should be addressed to the Division of Medical Sciences, Harvard Medical School, 260 Longwood Avenue, Boston, MA 02115, or telephone (617) 432-0162.

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

Half course (fall term). Th., 9–10:15.

Designed to help students learn presentation skills. Students required to give a 20-minute talk to other fourth year students and selected faculty, based upon the research in the student's thesis lab (i.e. a "lab" talk, not necessarily the student's own research). Faculty help in the preparation of the talk and give feedback.

Note: Open to students in their fourth year or above.

***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

Johannes Walter (Medical School), Stephen Buratowski (Medical School), Alan N. Engelman (Medical School), David E. Fisher (Medical School), and Gerhard Wagner (Medical School)

Half course (fall term). M., W., F., 10:30–12. EXAM GROUP: 3, 4

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.

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

Michael J. Eck (Medical School), Stephen C. Blacklow (Medical School), Jon Clardy (Medical School), Thomas E. Ellenberger (Medical School), Frederick P. Roth (Medical School), and



Christopher T. Walsh (Medical School)

Half course (spring term). Tu., Th., 9:30–11, W., 4:30–6.

Advanced protein biochemistry with emphasis on the interrelated roles of protein structure, catalytic activity, and macromolecular interactions in biological processes.

Note: Offered jointly with the Medical School as BP 714.0. For more information, see bcmp201.med.harvard.edu

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.

Intensive introduction to pharmacology, emphasizing mechanisms of drug action and principles of drug-receptor interactions, pharmacokinetics, and drug metabolism. Major drug examples drawn from neuropharmacology, cardiovascular pharmacology, and chemotherapeutic agents.

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), Randy King (Medical School), Steven E. Shoelson (Medical School), and Christopher T. Walsh (Medical School)

Half course (spring term). Tu., Th., 3:30–5:30.

Explores how molecular biology, structural biology, and modern enzymology have revolutionized understanding of drug action and development of new therapies. Analyzes molecular underpinnings of basic pharmacological principles. Examples drawn from molecular pathways such as signal transduction, and gene expression with application to diseases including cancer, diabetes, and AIDS.

Note: Offered jointly with the Medical School as BP 715.0. Primarily for graduate students.

BCMP 210. Theory and Practice of Techniques in Molecular Biology

Catalog Number: 1230

Welcome W. Bender (Medical School) and assistants

Half course (spring term). M., W., F., 2–4.

Reviews the principles of common lab techniques, and discusses recent innovations. Topics include separation and detection methods for nucleic acids and proteins, nucleic acid reassociations, and polymerase reactions. Course format includes lecture, lab experiments, and discussions.

Note: Offered jointly with the Medical School as BP 725.0.

Prerequisite: Prior exposure to molecular techniques and current residence in a lab equipped for molecular work.



***BCMP 213. Behavioral Pharmacology**

Catalog Number: 4782 Enrollment: Limited to 15.

Jack Bergman (Medical School), 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 NMR]

Catalog Number: 3969

Gerhard Wagner (Medical School)

Half course (fall term). Hours to be arranged.

Theory and practice of modern methods of macromolecular structure determination using multi-dimensional NMR.

Note: Expected to be given in 2004–05. Given 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. EXAM GROUP: 17, 18

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 HT 920.

Graduate Courses of Reading and Research

***BCMP 300. Enzyme Mechanisms**

Catalog Number: 1867

Christopher T. Walsh (Medical School) 2036

***BCMP 301 (formerly *Genetics 327). High Throughput Functional Proteomics**

Catalog Number: 1535

Edward E. Harlow (Medical School) 2863

***BCMP 306. Tumor Suppressor Genes and Prostate Cancer**

Catalog Number: 0524

William R. Sellers (Medical School) 4335



***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 (Medical School) 3597

***BCMP 313. Genetics and Genomics; Tumor Maintenance; Mouse Models**

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 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. Structural Studies of Transcription Factors and DNA Repair Proteins**

Catalog Number: 7298

Thomas E. Ellenberger (Medical School) 1643

***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 327. Leptin Receptor Signaling and Physiologic Regulation**

Catalog Number: 9213

Martin G. Myers (Medical School) 4535

***BCMP 329. Structure Biology of Cytoplasmic Signal Transduction**

Catalog Number: 5005

Michael J. Eck (Medical School) 1739

***BCMP 330. Amyloid Protein Folding, Assembly and Bioactivity**

Catalog Number: 9409

David B. Teplow (Medical School) 4539

***BCMP 331. Biochemistry and Biology of Neurodegenerative Diseases**

Catalog Number: 9727

Michael S. Wolfe (Medical School) 4543

***BCMP 332. Structural Neurology**

Catalog Number: 0276

Peter T. Lansbury (Medical School) 2115

***BCMP 335. Biochemical and Genetic Analysis of Eukaryotic Gene Expression**

Catalog Number: 8052

Stephen Buratowski (Medical School) 1790

***BCMP 337. Drosophila Molecular Genetics**

Catalog Number: 0782

Welcome W. Bender (Medical School) 7083

***BCMP 338. Eukaryotic Gene Regulation**

Catalog Number: 0549

Kevin Struhl (Medical School) 7415

***BCMP 339. Regulation of the Cellular Uptake of Macromolecular Nutrients**

Catalog Number: 3453

Marianne Wessling-Resnick (Public Health, Medical School) 1315

***BCMP 340. Chemical Biology; Discovery of Small Biologically Active Molecule**

Catalog Number: 8300

Jon Clardy (Medical School) 4667

***BCMP 343. Molecular Genetics of Herpes Viruses**

Catalog Number: 0868

Donald M. Coen (Medical School) 7617



***BCMP 344. Molecular Pharmacology of Excitable Membranes**

Catalog Number: 0200

Gary R. Strichartz (Medical School) 7530

***BCMP 347. Structural Analysis of Viruses and Receptors**

Catalog Number: 5105

Thilo Stehle (Medical School) 4990

***BCMP 356. Solution Structures of Proteins by NMR Spectroscopy**

Catalog Number: 8093

Gerhard Wagner (Medical School) 2626

***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

James M. Hogle (Medical School) 2943 and Johannes Walter (Medical School) 3846 (spring term only)

A series of reading and discussion seminars, each running for a half term (7 weeks). Two seminars, which can be taken in different terms, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***BCMP 371. Initiation of Eukaryotic DNA Replication: A Biochemical Analysis**

Catalog Number: 3739

Johannes Walter (Medical School) 3846



***BCMP 372. Methods and Applications in Computational Molecular Biology**

Catalog Number: 1638

Frederick P. Roth (Medical School) 3912

***BCMP 373. Blood Coagulation and Vascular Biology**

Catalog Number: 5747

Barbara C. Furie (Medical School) 3936

Cell Biology

Primarily for Graduates

Cell Biology 201. Molecular Biology of the Cell

Catalog Number: 1044

Daniel Finley (Medical School), John Blenis (Medical School), Joan S. Brugge (Medical School), Timothy J. Mitchison (Medical School), and Tom Rapoport (Medical School)
Half course (spring term). M., W., 10:30–12; and sections F. at 10:30–12.

Topics include the molecular basis of cellular compartmentalization, protein trafficking, cytoskeleton dynamics, mitosis, cell locomotion, cell cycle regulation, signal transduction, cell-cell interaction, and the cellular/biochemical basis of diseases. Also covers various methods, such as protein purification, mass spectrometry, and microscopy.

Note: Offered jointly with the Medical School as CB 713.0.

Prerequisite: Basic knowledge in biochemistry and genetics.

Cell Biology 207. Developmental Biology: Molecular Mechanisms of Vertebrate Development

Catalog Number: 2044 Enrollment: Limited to 25.

Andrew B. Lassar (Medical School), John G. Flanagan (Medical School), Thomas M. Schultheiss (Medical School), Clifford J. Tabin (Medical School), and Malcolm Whitman (Medical School)

Half course (spring term). W., F., 2–4.

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 signaling, stem cell potency and development of muscle, cartilage, heart, reproductive system and limbs. Includes lectures and conference sessions in which original literature is discussed in depth. Short research proposals are 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. EXAM GROUP: 5, 6



Examines the molecular basis of cancer including alterations in signal transduction, cell cycle, apoptosis and DNA repair with a focus on oncogenes, tumor suppressors, and oncogenic viruses. Explores the development of novel target based therapies.

Note: Given in alternate years. Offered jointly with the Medical School as CB 704.0.

Prerequisite: General knowledge of biochemistry, molecular genetics, and cell biology.

[Cell Biology 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.

History, chemistry and biology of major growth factors, receptors and downstream signaling pathways are reviewed. Using receptor tyrosine kinases and their ligands as teaching vehicles, the course progresses to cover nitric oxide, Notch/Delta, Wnt and Sonic hedgehog signaling pathways.

Note: Expected to be given in 2004–05. Given in alternate years. Offered jointly with the Medical School as CB 705.0.

Prerequisite: BCMP/CB 201 or equivalent.

Cell Biology 214. Developmental Biology and Genetics

Catalog Number: 3458 Enrollment: Limited to 12.

David L. Van Vactor (Medical School), Spyros Artavanis-Tsakonas (Medical School), Iswar K. Hariharan (Medical School), and Sander Van Den Heuvel (Medical School)

Half course (fall term). M., W., 6–8 p.m. EXAM GROUP: 9

Emphasizes the application of genetic tools for the analysis of fundamental developmental phenomena. We provide an introduction to the biological principles and molecular mechanisms governing ontogeny. We cover a continuum of topics from pattern formation, cell growth, and cell fate determination to cell differentiation and morphogenesis. The model systems *Drosophila* and *C. elegans* are the primary focus. We discuss different experimental approaches, and evaluate examples from the primary literature.

Note: Offered jointly with the Medical School as CB 720.0. Contact course director at 617-432-2195 with questions.

Prerequisite: General genetics and developmental biology courses recommended.

Graduate Courses of Reading and Research

***Cell Biology 300. Advanced Topics in Cell, Molecular, and Developmental Biology**

Catalog Number: 5825

Constance L. Cepko (Medical School) 1150

A series of reading and discussion seminars, each running for a half term (seven weeks). 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: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this



course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Cell Biology 304. Regulation of the Cell Cycle**

Catalog Number: 0414

Joan V. Ruderman (Medical School) 2622

***Cell Biology 305. Developmental Biology**

Catalog Number: 3314

Elizabeth D. Hay (Medical School) 1011

***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 311. Cardiovascular Signal Transduction**

Catalog Number: 9196

Thomas Michel (Medical School) 4392

***Cell Biology 312. Molecular Mechanisms of Mammalian Gene Regulation in Normal and Cancerous Cells**

Catalog Number: 8538

Anders Michael Naar (Medical School) 4328

***Cell Biology 314. Molecular Biology of Extracellular Matrix**

Catalog Number: 5077

Bjørn R. Olsen (Dental School, Medical School) 1164

***Cell Biology 315. Biological Information Storage and Exchange**

Catalog Number: 9463

Michael Levin (Dental School) 4560

***Cell Biology 316. Mechanism and Function of Intracellular Protein Turnover**

Catalog Number: 1017

Alfred L. Goldberg (Medical School) 2827



***Cell Biology 317. Mechanisms of Programmed Cell Death**

Catalog Number: 2270

Junying Yuan (Medical School) 2105

***Cell Biology 318. Molecular Biology of Cell Growth Regulation and Transformation**

Catalog Number: 3355

John Blenis (Medical School) 2612

***Cell Biology 319. Cell Polarity and Morphogenesis**

Catalog Number: 2986

Rong Li (Medical School) 2106

***Cell Biology 321. Neuronal Pathfinding and Synaptogenesis**

Catalog Number: 4841

David L. Van Vactor (Medical School) 2089

***Cell Biology 323. Biology of Membranes and Intercellular Junctions**

Catalog Number: 2651

Daniel A. Goodenough (Medical School) 4077

***Cell Biology 324. DNA Methylation, Chromatin Modification and Activin/BMP signalling in Mammals**

Catalog Number: 9839

En Li (Medical School) 4533

***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 332. Mass Spectrometry and Proteomics**

Catalog Number: 1568

Steven P. Gygi (Medical School) 3939



***Cell Biology 333. Electron Crystallographic Structure Determination of Leukotriene**

Catalog Number: 9254

Thomas Walz (Medical School) 3778

***Cell Biology 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 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 Tyrosine Kinases**

Catalog Number: 1591

Andrius Kazlauskas (Medical School) 2088

***Cell Biology 347. Cellular and Molecular Aspects of Insulin Action**

Catalog Number: 1494

C. Ronald Kahn (Medical School) 2019



***Cell Biology 349. Gene Silencing and Chromosome Structure**

Catalog Number: 8765

Danesh Moazed (Medical School) 4254

***Cell Biology 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. Regulation of Transport by the ADP-Ribosylation Factor (ARF) Family of Small GTPases**

Catalog Number: 7605

Victor Wee Hsu (Medical School) 2606

***Cell Biology 356. Cell Growth Regulation, Telomere Maintenance and Human Diseases**

Catalog Number: 3718

Kun Ping Lu (Medical School) 2607

***Cell Biology 358. Mechanisms of Tumor Metastasis**

Catalog Number: 0606

Bruce R. Zetter (Medical School) 7737

***Cell Biology 359. Intracellular Signaling Pathways in the Regulation of Cell Growth and Differentiation**

Catalog Number: 0335

David A. Frank (Medical School) 3276

Cell Biology 360. Regulation and Execution of Apoptosis during Development in *Drosophila

Catalog Number: 6046

Kristin White (Medical School) 3955

***Cell Biology 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), and Clifford J. Tabin (Medical School)

Half course (spring term). M. through F., 8:30–12.

Emphasis is on the developmental processes that shape the embryo and establish its physiology, and on the principles that will provide background for understanding of the revolution in medicine that will come from genetics in the 21st century.

Note: To register, call 617-432-1515. 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. EXAM GROUP: 2, 3

An in-depth survey of genetics, beginning with basic principles and extending to modern approaches and special topics. We will draw on examples from various systems, such as *Drosophila*, *C. Elegans*, *Saccharomyces*, mouse, human and bacteria.

Note: Intended for first-year graduate students. Offered jointly with the Medical School as GN 701.0.

Genetics 205. Mammalian Genetics

Catalog Number: 9267

David R. Beier (Medical School)

Half course (spring term). Hours to be arranged.

A literature discussion course on mammalian genetics, including mutation and disease cloning, mutagenesis, comparative genomics, cancer genetics, mammalian development, complex trait genetics in humans and rodents, and mouse genome modification techniques and their applications.

Genetics 206. Genetic and Functional Genomic Dissection of Development

Catalog Number: 9852

Marc Vidal (Medical School), Norbert Perrimon (Medical School), and Gary B. Ruvkun



(Medical School)

Half course (spring term). Th., 10–12.

Presents a few classic examples of genetic analysis of development, how control genes were defined by their genetic interactions, how pathways are inferred from genetic epistasis, and the transition to molecular pathways. Examples from *Drosophila* and *C. elegans* molecular genetics will be used. The use of genome sequences in the more modern forms of this analysis are also presented. Finally, new surrogates for genetics, especially functional genomic techniques such as RNAi, and expression and proteomic analysis using two hybrid and GFP fusion technologies are presented.

[Genetics 214. Biology of the Visual System]

Catalog Number: 5537 Enrollment: Limited to 20. Minimum of 5.

Constance L. Cepko (Medical School), Richard T. Born (Medical School), John E. Dowling, John G. Flanagan (Medical School), Robert R. Rando (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 2004–05. Given in alternate years. Offered jointly with the Medical School as GN 714.0.

Prerequisite: An introductory course in neurobiology is suggested.

Genetics 216. Advanced Topics in Gene Expression

Catalog Number: 2244

Robert E. Kingston (Medical School) and Fred Winston (Medical School)

Half course (spring term). Tu., 1–4.

Covers both biochemical and genetic studies in regulatory mechanisms. We discuss a small number of topics in depth, using the primary literature as the main source of information. Each area of research covered is analyzed in terms of the conceptual basis for its study, its advancement and evolution, and the experimental approaches that were used. Topics range from prokaryotic transcription to eukaryotic development.

Note: Offered jointly with the Medical School as GN 703.0.

Prerequisite: BCMP 200 and Genetics 201.

Genetics 218. Genotype to Phenotype: Epigenetics and Gene Regulation

Catalog Number: 2252 Enrollment: Limited to 15.

Chao-Ting Wu (Medical School) and Jeannie T. Lee (Medical School)

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Explores lesser known forms of gene regulation, including dosage compensation, imprinting, transvection, RIP, paramutation, methylation, and nuclear compartmentalization, taking examples from prokaryotes, ciliates, fungi, plants, insects, and mammals. Paper discussions, lectures, student presentations.

Note: Given in alternate years. Offered jointly with the Medical School as GN 724.0.

Prerequisite: Introductory course in genetics and molecular biology, or permission of the instructors.



Genetics 220. Molecular Biology and Genetics in Modern Medicine

Catalog Number: 4660

David E. Housman (Medical School)

Half course (fall term). M., F., 9–11:45. EXAM GROUP: 2, 3, 4

Our focus 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.

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

A series of reading and discussion seminars, each running for a half term (seven weeks). 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: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Genetics 301. Research in Molecular Genetics and Molecular Oncology**

Catalog Number: 4780

Philip Leder (Medical School) 7527

***Genetics 303. Pathogenesis**

Catalog Number: 1972

Frederick Ausubel (Medical School) 4639

***Genetics 304. Molecular Genetics Basis of Human Disease, Particularly Cardiovascular Pathogenesis**

Catalog Number: 0693

Christine E. Seidman (Medical School) 3013

***Genetics 305. Genetics, Receptors and Ion Channels**

Catalog Number: 9027

Jing Zhou (Medical School) 3779

***Genetics 306. Inherited Human Disorders**

Catalog Number: 7324

Jonathan G. Seidman (Medical School) 7529



***Genetics 308. Molecular Biology of Signal Transduction**

Catalog Number: 5616

Brian Seed (Medical School) 7619

***Genetics 309. Gene Expression in Yeast**

Catalog Number: 3763

Fred Winston (Medical School) 7877

***Genetics 310. Molecular Approaches to Developmental Neurobiology**

Catalog Number: 6324

Constance L. Cepko (Medical School) 1150

***Genetics 311. Molecular Mechanisms of Transcription Regulation in Mammals**

Catalog Number: 7310

Robert E. Kingston (Medical School) 1153

***Genetics 312. Molecular Genetics of Development**

Catalog Number: 8363

Gary B. Ruvkun (Medical School) 1366

***Genetics 313. Genomic Approaches to Human Disease Genetics**

Catalog Number: 6059

David M. Altshuler (Medical School) 4307

***Genetics 314. Structure and Activities of Ribozymes**

Catalog Number: 7244

Jack Szostak (Medical School) 7096

***Genetics 315. Molecular Genetics of Inherited Disorders**

Catalog Number: 3362

James Gusella (Medical School) 1152

***Genetics 316. Transcriptional Regulatory Network Analyses**

Catalog Number: 2247

Martha L. Bulyk (Medical School) 4259

***Genetics 317. 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 321. Genetics of Embryonic Development in Drosophila**

Catalog Number: 6501

Norbert Perrimon (Medical School) 1679

***Genetics 322. Vertebrate Pattern Formation**

Catalog Number: 0436

Clifford J. Tabin (Medical School) 2430

***Genetics 323. Molecular Biology of V(D)J Recombination**

Catalog Number: 6950

Marjorie A. Oettinger (Medical School) 3172

***Genetics 325. Human Genetics, Genomics and Complex Traits**

Catalog Number: 8275

Joel N. Hirschhorn (Medical School) 4321

***Genetics 326. Genetics of TSC and Motility**

Catalog Number: 2900

David J. Kwiatkowski (Medical School) 3770

***Genetics 328. Lymphocyte Differentiation, Recombination, and Nuclear Oncogenes**

Catalog Number: 2702

Frederick W. Alt (Medical School) 3146

***Genetics 329. Genetic Analysis of Synaptic Transmission**

Catalog Number: 9734

Joshua M. Kaplan (Medical School) 3522

***Genetics 330. Critical Thinking and Research Proposal Writing**

Catalog Number: 0210

Alan M. Michelson (Medical School) 2029 and members of the Faculty

A small group tutorial systematically guiding students in the writing of original, hypothesis-driven research proposals from initial topic selection through completion of a final draft.

Note: Open to all BBS students; others need permission of the instructor.

Prerequisite: Core course in genetics, cell biology, molecular biology, and biochemistry.

***Genetics 332. Combining Genetic and Biochemical Approaches to Dissect Tumor Suppressor Gene Function.**

Catalog Number: 2975

Karen M. Cichowski (Medical School) 3932



***Genetics 334. Genomics and the Genetics of Human Disease**

Catalog Number: 5144

Raju Kucherlapati (Medical School) 4324

***Genetics 335. Epigenetics, Chromatin, Gene Structure, and Genomics**

Catalog Number: 4982

Chao-Ting Wu (Medical School) 3535

***Genetics 336. Developmental Biology of Hematopoiesis**

Catalog Number: 7165

Leonard I. Zon (Medical School) 1137

***Genetics 337. Human Molecular Genetics**

Catalog Number: 7194

Stuart H. Orkin (Medical School) 7402

***Genetics 340. A Genetic Approach to Iron Biology**

Catalog Number: 2936

Nancy Andrews (Medical School) 1589

***Genetics 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 Cell Cycle Regulation in the Drosophila Eye**

Catalog Number: 5055

Iswar K. Hariharan (Medical School) 1796



***Genetics 354. Computational Methods for Understanding the Biological Basis of Human Disease**

Catalog Number: 9546

Isaac S. Kohane (Medical School) 4531

***Genetics 355. Molecular Genetics of Human Neuromuscular Diseases**

Catalog Number: 9253

Alan H. Beggs (Medical School) 1422

***Genetics 358. Mammalian Embryonic Patterning**

Catalog Number: 8297

Susan M. Dymecki (Medical School) 1736

***Genetics 359. Cancer and Development, Thrombopoiesis, Intestinal Development**

Catalog Number: 9880

Ramesh Arjun Shivdasani (Medical School) 4538

***Genetics 361. Mechanism of X-inactivation in Mammals**

Catalog Number: 9152

Jeannie T. Lee (Medical School) 2129

***Genetics 362. Molecular Biology and Genetics of Cancer**

Catalog Number: 9382

David Morse Livingston (Medical School) 4872

***Genetics 363. Neurogenesis in the Vertebrate Eye**

Catalog Number: 8658

Jarema Malicki (Medical School) 2202

***Genetics 364. Development Application of Mammalian Vectors**

Catalog Number: 7930

Richard C. Mulligan (Medical School) 2274

***Genetics 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 and Genetic Mechanisms Responsible for Muscle Differentiation During Embryonic Development**

Catalog Number: 7490

Alan M. Michelson (Medical School) 2029



***Genetics 369. Molecular Mechanisms of Plant Signal Transduction**

Catalog Number: 3010

Jen Sheen (Medical School) 3892

***Genetics 370. Molecular Analysis of Breast Cancer Initiation and Prevention; Identification of Clinically Useful Biomarkers Using Genomics Approaches**

Catalog Number: 4519

Kornelia Polyak (Medical School) 3898

***Genetics 371. To Generate a Comprehensive Protein-Interaction Map for C. Elegans and Develop New Concepts to Integrate this Map with Other Functional Maps such as Expression Profiles and Global Phenotypic Analysis**

Catalog Number: 2190

Marc Vidal (Medical School) 3914

***Genetics 373. Kidney Disease, Genetics, Cytoskeleton**

Catalog Number: 3875

Martin R. Pollak (Medical School) 4329

Immunology

All courses in Immunology are subject to limitation in enrollment and will not be offered unless there is sufficient demand.

Primarily for Graduates

***Immunology 201. Principles of Immunology**

Catalog Number: 8337

Michael C. Carroll (Medical School), Ulrich H. Von Andrian-Werburg (Medical School) and members of the Faculty

Half course (fall term). Tu., Th., 1:30–3:30. EXAM GROUP: 15, 16, 17

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: Intended for students who have had prior exposure to immunology on the undergraduate level. In the absence of such exposure, students *must* obtain the permission of the Course Director. Offered jointly with the Medical School as IM 702.0.

Prerequisite: A background in genetics and biochemistry strongly recommended.

***Immunology 202. Advanced Principles of Immunology**

Catalog Number: 5674

Michael C. Carroll (Medical School) and Ulrich H. Von Andrian-Werburg (Medical School)

Half course (spring term). Tu., Th., 1:30–3:30. EXAM GROUP: 15, 16, 17

Continuation of Immunology 201 as an intensive core course in fundamentals of the immune



system. Emphasis on systems of immunity. Critical reading of primary literature.

Prerequisite: Immunology 201 or its equivalent

Immunology 204. Critical Readings for Immunology

Catalog Number: 9563

Anjana Rao (Medical School) and associates

Half course (spring term). F., 3–6. EXAM GROUP: 8, 9

Original research articles from fields including biochemistry, genetics, and cell and developmental biology will be critically analyzed in an intensive small group format. Grading will be based on class participation, two exams, and written critiques of papers.

Note: Required for first-year immunology students, open to second-year immunology students. No auditors.

***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 is 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 are emphasized. The two parts can be taken together as a half course, or individually as a quarter course under Immunology 300.

Note: 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) 3143 (on leave 2004-05)

Reading and discussion seminars each running for a half term (7 weeks). Two seminars, which can be taken in different terms, are required for credit. Topics include the role of intracellular and transmembrane protein phosphates in signal transduction.

Note: Intended for first- and second-year Immunology graduate students. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Call 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Immunology 301. Immunology Seminar**

Catalog Number: 4971



Hidde Ploegh (Medical School) 3143 (on leave 2004-05)

Gives students exposure to research topics in Immunology. Students prepare for the weekly seminar through readings and occasional discussion with the seminar speakers. These discussions are facilitated by members of the Committee on Immunology.

Note: Intended for first- and second-year Immunology graduate students.

***Immunology 302. Molecular Basis of Humoral Immunologic Inflammation**

Catalog Number: 1355

K. Frank Austen (Medical School) 1571

***Immunology 303. Immunity to Tuberculosis**

Catalog Number: 9490

Samuel M. Behar (Medical School) 4570

***Immunology 306. Immunochemical Aspects of Immune Reactions**

Catalog Number: 1536

Stuart F. Schlossman (Medical School) 3593

***Immunology 307. Immunobiology of Transplantation**

Catalog Number: 1609

Charles B. Carpenter (Medical School) 2016

***Immunology 308. Gene Regulation in the Immune Response**

Catalog Number: 6895

Anjana Rao (Medical School) 1854

***Immunology 309. Molecular Aspects of Lymphocyte Interactions**

Catalog Number: 3778

Cox Terhorst (Medical School) 6280

***Immunology 311. Defects in the Immune Response**

Catalog Number: 2738

Fred S. Rosen (Medical School) 3595

***Immunology 314. Immunobiology of Antigen-Antibody Complexes**

Catalog Number: 8065

Peter H. Schur (Medical School) 4551

***Immunology 315. Immunoregulation**

Catalog Number: 5540

Martin E. Dorf (Medical School) 4541

***Immunology 316. Molecular Basis of Immunologic Recognition and Communication**

Catalog Number: 3192

Harvey Cantor (Medical School) 4460



***Immunology 317. Molecular Biology of Receptor Transduction in the Immune System**

Catalog Number: 0518

Brian Seed (Medical School) 7619

***Immunology 319. Molecular Basis of Cell Adhesion and Migration**

Catalog Number: 0293

Timothy A. Springer (Medical School) 6145

***Immunology 323. Research in Molecular Immunology**

Catalog Number: 3425

Laurie H. Glimcher (Public Health) 1362

***Immunology 324. T-cell Development in Animal Models of Autoimmunity Disease**

Catalog Number: 1905

Christophe O. Benoist (Medical School) 3928

***Immunology 326. Human T-cell Antigen Receptor; Human Lymphocyte Differentiation Antigens**

Catalog Number: 6719

Ellis L. Reinherz (Medical School) 1408

***Immunology 327. Chemical Cell Biology**

Catalog Number: 0824

Stuart L. Schreiber 2166

***Immunology 328r. Introduction to Research**

Catalog Number: 5531

Hidde Ploegh (Medical School) 3143 (on leave 2004-05)

***Immunology 329. Basic and Clinical Mechanisms of Autoimmunity**

Catalog Number: 0354

Howard L. Weiner (Medical School) 1335

***Immunology 330. Molecular Aspects of Mast Cells—Mediated Immune Responses**

Catalog Number: 7296

Richard L. Stevens (Medical School) 2892

***Immunology 331. Lymphoid Organs**

Catalog Number: 5725

Joan E. Stein-Streilein (Medical School) 4769

Mechanisms used by innate immune cells in trafficking and generating immune peripheral tolerance in the secondary lymphoid organs.

***Immunology 333. Immunopathogenesis of Viral Diseases**

Catalog Number: 2430

Norman Letvin (Medical School) 2317



***Immunology 335. T-Cell Receptor Interactions in Autoimmune Diseases**

Catalog Number: 4027

David Hafler (Medical School) 2616

***Immunology 336. T-Lymphocyte Recognition and Adhesion**

Catalog Number: 7292

Michael B. Brenner (Medical School) 2864

***Immunology 337. Development of Mucosal Immunologic Factor**

Catalog Number: 1320

W. Allan Walker 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) 3143 (on leave 2004-05)

***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 by Stimulatory and Inhibitory Receptors**

Catalog Number: 6813

Howard R. Katz (Medical School) 2837



***Immunology 364. T-Cell Development in Animal Models of Autoimmunity Disease**

Catalog Number: 0972

Diane J. Mathis (Medical School) 3063

***Immunology 365. Mucosal T Cell Mediated Immunity and Tolerance**

Catalog Number: 4204

Cathryn R. Nagler-Anderson (Medical School) 1022

***Immunology 366. Molecular Regulation of T Cell Cytokine Production and T Cell Interactions with the Blood Vessel Wall**

Catalog Number: 6676

Andrew H. Lichtman (Medical School) 3523

***Immunology 367. Biology and Chemistry of Complement Problems**

Catalog Number: 8080

Anne Nicholson-Weller (Medical School) 1063

***Immunology 368. Cytotoxic Lymphocytes**

Catalog Number: 8986

Paul J. Anderson (Medical School) 1947

***Immunology 369. Mechanisms of Autoimmune Disease**

Catalog Number: 6787

Vicki R. Kelley (Medical School) 2656

***Immunology 371. Cellular and Molecular Mechanisms of Eosinophil and Other Leukocyte Involvement 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 in Man and Experimental Animals; 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 388. Immunology and Molecular Biology of Schistosoma Mansoni**

Catalog Number: 5640

Donald A. Harn (Public Health) 2051

***Immunology 389. Development of Cancer Vaccines**

Catalog Number: 4106

Glenn Dranoff (Medical School) 1821

***Immunology 391. Transcription Factors in Lymphocyte Commitment and Differentiation**

Catalog Number: 5285

Katia Georgopoulos (Medical School) 2070

***Immunology 399. Topics in Immunology**

Catalog Number: 2377

Hidde Ploegh (Medical School) 3143 (on leave 2004-05)

Medical Sciences

Primarily for Graduates

***Medical Sciences 215. Integrated Human Physiology**

Catalog Number: 6359

Richard M. Schwartzstein (Medical School) and members of the Faculty

Half course (fall term). M. through F., 8:30–12. EXAM GROUP: 1, 2, 3

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 IM 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.

Lee Gehrke (Medical School)

Full course (fall term). Lectures, M., W., F., 1:30–2:30; laboratory, M., W., F., 2:30–6.

Lectures, detailed laboratory dissections, and prosections provide a thorough exploration of the gross structure and function of the human body. Fundamental principles of embryology and bioengineering promote analytical approaches to understanding the body's design.

Note: Open to qualified graduate students with permission of the course director. Students must register with the course director before the first day of class. 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 physiological principles. Covers cellular and molecular bases of cardiovascular, respiratory, renal, gastrointestinal and metabolic function, and integrated regulation by the endocrine and nervous systems.

Note: 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

Stephen Lory (Medical School), Dan G. Fraenkel (Medical School), and Roberto G. Kolter (Medical School)

Half course (spring term). M., W., F., 9–10:30.

Devoted primarily to bacterial structure, physiology, genetics, regulatory mechanisms and pathogenesis. Class time consists 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.

***Microbiology 205. Mechanisms of Microbial Pathogenesis**

Catalog Number: 2480 Enrollment: May be limited.

Clyde S. Crumpacker II (Medical School) and associates

Half course (fall term). Tu., Th., 8:30–1. EXAM GROUP: 10, 11, 12

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. Minimum of 8.

Roberto G. Kolter (Medical School)

Half course (spring term). Hours to be arranged.

Provides in-depth coverage of bacterial development and multicellularity. Students research topics and prepare lectures. Lectures are followed by discussions of key publications. The specific topics covered vary every year depending on student interest.

Note: Expected to be given in 2004–05. Given in alternate years. Open to graduate and advanced undergraduate students. Contact the instructor at least one week before the start of spring term via email. 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). W., 3–6. EXAM GROUP: 8, 9

Pathways and energy metabolism. A discussion course based on papers.

Microbiology 213. Social Issues in Biology

Catalog Number: 7905

Jonathan R. Beckwith (Medical School), Marcia Goldberg (Medical School), Roberto G. Kolter (Medical School), and David Pellman (Medical School)

Half course (spring term). Th., 1–4.

Readings and discussion of social and ethical aspects of biology, including history and philosophy of science; biology, race, gender; science journalism; genetic testing; patents; human behavior genetics; biological weapons; science and the two cultures.

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

Andrea I. McClatchey (Medical School), Jeffrey D. Parvin (Medical School) and members of the Faculty

Half course (fall term). Tu., Th., 4:30–7:30 p.m. EXAM GROUP: 18

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.

Note: Limited to and required of all first-year BBS students.

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 term (7 weeks). Two seminars, which can be taken in different terms, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Microbiology 304. Molecular Pathogenesis of Streptococcal Infection**

Catalog Number: 9527

Michael R. Wessels (Medical School) 4540

***Microbiology 305. Molecular Determinants of Intracellular Bacterial Pathogenesis**

Catalog Number: 3190

Darren E. Higgins (Medical School) 2963

***Microbiology 307. Growth Factors and Signal Transduction**

Catalog Number: 5726

Charles D. Stiles (Medical School) 4828

***Microbiology 308. Bacterial Pathogenesis and Immune Responses**

Catalog Number: 4217

Dennis L. Kasper (Medical School) 4815

***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 315. Biochemical Mechanisms Controlling Cell Growth and Differentiation**

Catalog Number: 3273

Michael E. Greenberg (Medical School) 1400

***Microbiology 316. Host Pathogen Interactions**

Catalog Number: 7769

Stephen Lory (Medical School) 4326



***Microbiology 317. Molecular Mechanisms in Pathogenesis**

Catalog Number: 8985

John J. Mekalanos (Medical School) 7315

***Microbiology 318. RNA Structure, RNA-protein Interactions, and Translation-level Gene Regulation in RNA Viruses**

Catalog Number: 1205

Lee Gehrke (Medical School) 8036

***Microbiology 320. Molecular Biology of Herpes Viruses**

Catalog Number: 3967

David M. Knipe (Medical School) 7089

***Microbiology 321. Molecular Biology of Bacterial Interactions**

Catalog Number: 2903

Roberto G. Kolter (Medical School) 7727

***Microbiology 322. Biochemistry of Bacterial Toxins**

Catalog Number: 4970

R. John Collier (Medical School) 7972

***Microbiology 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 and Vaccine Development**

Catalog Number: 3472

Gerald 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 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. Pattern Recognition in Innate Immunity**

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 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), John A. Assad (Medical School), and Gabriel Corfas (Medical School)

Half course (fall term). M., W., F., 9–12. EXAM GROUP: 2, 3, 4

Modern neuroscience from molecular biology to perception and cognition. Includes cell biology of neurons and glia; ion channels and electrical signaling; synaptic transmission and integration; chemical systems; brain anatomy and development; sensory systems; motor systems; higher cognitive function.

Note: Offered jointly with the Medical School as HT 130. Follows the Medical School calendar. 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), and Richard T. 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 are 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), Bernardo L. Sabatini (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 storage and release of neurotransmitters.

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 20.

Qiufu Ma (Medical School), Dietmar Schmucker (Medical School), and Rosalind A. Segal (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. Neurobiology of Disease

Catalog Number: 5562

Edward A. Kravitz (Medical School) and Robert H. Brown (Medical School)

Half course (spring term). M., 4–6:30, W., 7–9:30.

Monday sessions involve patient presentations and “core” lectures describing clinical progression, pathology, and basic science underlying a major disease or disorder. Wednesdays, students present material from original literature sources, and there is general discussion.

Note: Given in alternate years. Offered jointly with the Medical School as NB 713.0. For advanced undergraduate and graduate students.

Prerequisite: Introductory neurobiology, biochemistry, and molecular biology recommended.

***Neurobiology 220. Cellular Neurophysiology**

Catalog Number: 2141

Bruce P. Bean (Medical School), Wade G. Regehr (Medical School), and Gary I. Yellen (Medical School)

Half course (fall term). Tu., Th., 9:30–12 and weekly discussion section. EXAM GROUP: 11, 12, 13

Introduction to the physiology of neurons. Topics include structure and function of ion channels, generation and propagation of action potentials, and physiology of synaptic transmission. Includes problem sets and reading of original papers.

Note: Offered jointly with the Medical School as NB 714.0.

Prerequisite: Introductory neurobiology.

[*Neurobiology 221. Molecular Neurobiology]

Catalog Number: 0443

Charles J. Weitz (Medical School) and associates



Half course (spring term). Tu., Th., 10–12.

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 2004–05. 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. A series of reading and discussion seminars, each running for a half term (seven weeks).

Note: Two seminars, which can be taken in different terms, are required for credit. 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 617-432-0162 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

***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 315. Neurotrophins and Cerebellar Development**

Catalog Number: 0128

Rosalind A. Segal (Medical School) 1564

***Neurobiology 316. Laboratory of Pain Physiology**

Catalog Number: 0222

Rami Burstein (Medical School) 1294

***Neurobiology 317. Auditory System**

Catalog Number: 4979

Lisa V. Goodrich (Medical School) 4771

A combination of genetic, molecular and embryological approaches to investigate how the auditory system is patterned and wired during development, with a focus on the differentiation of hair cells and ganglion neurons within the inner ear.

***Neurobiology 318. Molecular Genetics of Cerebral Cortical Development**

Catalog Number: 0825

Christopher A. Walsh (Medical School) 1560

***Neurobiology 319. Neurological Control of Cell Growth and Differentiation**

Catalog Number: 2991

Michael E. Greenberg (Medical School) 1400

***Neurobiology 320. Neuroprotection and Neuronal Repair in Neurodegenerative Disease**

Catalog Number: 4825

Ole S. Isacson (Medical School) 2077

***Neurobiology 321. Higher Functions in the CNS**

Catalog Number: 5387

Margaret S. Livingstone (Medical School) 1064

***Neurobiology 322. Cellular and Molecular Mechanisms in Axon Guidance and Regeneration**

Catalog Number: 2873

Zhigang He (Medical School) 3910

***Neurobiology 323. Synaptic Plasticity**

Catalog Number: 3209

Florian Engert 4290

Cellular mechanisms, development of functional networks, and links to behavior.



***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 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

***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. Activity-Dependent Development of the Mammalian Visual System**

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 (on leave 2004-05)

***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. New Biology Through Physics: Molecular Discoveries with Light**

Catalog Number: 3689

David E. Clapham (Medical School) 2987

***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 360. Statistical Modeling and Stochastic Dynamical Systems Analysis of Neurophysiologic Systems**

Catalog Number: 0986

Emery N. Brown (Medical School) 1399

***Neurobiology 361. Immunobiology of the Nervous System and its Tumors**

Catalog Number: 7282

Lois A. Lampson (Medical School) 2491

***Neurobiology 362. 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. Functional Organization of the Retina**

Catalog Number: 7391

Richard H. Masland (Medical School) 4923

***Neurobiology 367. Neo-Cortical Development and Cellular Transplantation**

Catalog Number: 4252

Jeffrey D. Macklis (Medical School) 3396

***Neurobiology 368. The Neurobiology of Alzheimer's Disease and Related Neurodegenerative Disorders**

Catalog Number: 5054

Bruce Yankner (Medical School) 1557

***Neurobiology 369. Visual Processing**

Catalog Number: 1828

Markus Meister 3007

***Neurobiology 370. Characterization of Genes in Neurodegeneration**

Catalog Number: 8336

Rudolph E. Tanzi (Medical School) 2683

Identifying and characterization of genes involved in neurodegeneration in Alzheimer's disease and aging and Down's syndrome.

***Neurobiology 372. Neurotransmitter Control of Ion Channels**

Catalog Number: 7104

Bruce P. Bean (Medical School) 1148

***Neurobiology 373. Developmental Studies of the Murine Trigeminal Sensory System**

Catalog Number: 7485

Qiufu Ma (Medical School) 3034

***Neurobiology 374. Investigation of the Molecular Basis of Alzheimer's Disease & Parkinson's Disease Using Genetic Approaches in Mice**

Catalog Number: 9022

Jie Shen (Medical School) 3059



***Neurobiology 375. Mechanisms of Synaptic Transmission & Plasticity**

Catalog Number: 0790

Venkatesh N. Murthy 2424

***Neurobiology 376. Synaptic Transmission, Exocytosis and K⁺ Channel Function**

Catalog Number: 2911

Thomas L. Schwarz (Medical School) 3923

***Neurobiology 377. Physiological Studies of Phototransduction and Light Adaptation**

Catalog Number: 6897

Clint L. Makino (Medical School) 3946

***Neurobiology 379. Growth Factor Regulation of Neural Development and Oncogenesis**

Catalog Number: 7751

Scott L. Pomeroy (Medical School) 3947

***Neurobiology 380. Functional Wiring of the Rabbit Retina, Control of Postnatal Development**

Catalog Number: 4965

Elio Raviola (Medical School) 3582

***Neurobiology 381. Mechanisms of Action of Neurotransmitters and Neuromodulators, Specifically Glutamate and Norepinephrine**

Catalog Number: 6912

Paul Allen Rosenberg (Medical School) 3949

***Neurobiology 382. The Role of the Hypothalamus and Particularly Melanin Concentrating Hormone in the Regulation of Energy Homeostasis**

Catalog Number: 1457

Eleftheria Maratos-Flier (Medical School) 4327

***Neurobiology 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

***Neurobiology 389. Molecular Regulation of Neural Tube Development**

Catalog Number: 3914

Mary R. Loeken (Medical School) 3151

***Neurobiology 390. The Role of Dendritic Protein Translation in the Modification of Synapses**

Catalog Number: 9202

Bernardo L. Sabatini (Medical School) 4300

***Neurobiology 391. Diversity and Function of the Dscam Receptor**

Catalog Number: 7541

Dietmar Schmucker (Medical School) 4332

***Neurobiology 392. Synaptic Plasticity in the CNS using Electrophysiological and Calcium Imaging Techniques, as well as Genetically Altered Mouse Strains**

Catalog Number: 6750

Chinfei Chen (Medical School) 4437

***Neurobiology 393. Molecular Basis of Inherited Congenital Eye Movement Disorders and Implications for the Development of Brainstem Motorneurons**

Catalog Number: 3085

Elizabeth C. Engle (Medical School) 4312

***Neurobiology 394. The Molecular Basis of Mechanosensation and Normal Function of the Ear's Sensory Receptors**

Catalog Number: 7885

Stefan Heller (Medical School) 4319

***Neurobiology 396. Non-invasive Neuroimaging Techniques to Examine Neural Pathways Involved in Chronic Pain**

Catalog Number: 9051

David Borsook (Medical School) 4470

***Neurobiology 397. Nervous System Construction and Function**

Catalog Number: 0158

Samuel M. Kunes 3486



***Neurobiology 398. CNS and Cancer Gene Therapy**

Catalog Number: 4438

Samuel D. Rabkin (Medical School) 4772

Herpes simplex virus vectors for gene delivery in the CNS and cancer gene therapy.

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

Stefan Heller (Medical School) and Associates

Half course (fall term). Hours to be arranged.

Examines the exciting advances in inner ear genetics and molecular biology. Topics include identifying “deafness genes”, genes and proteins recently identified as critical for proper inner ear function, development, and regeneration.

Note: Expected to be given in 2004–05. 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 Phenomena**

Catalog Number: 5934

Rakesh K. Jain (Medical School)

Half course (fall term). M., 5–7:30 p.m. EXAM GROUP: 9

Tumor pathophysiology plays a central role in the growth, metastasis, detection, and treatment of solid tumors. Principles of transport phenomena are applied to develop a quantitative understanding of tumor biology and treatment.

Note: Given in alternate years. Offered jointly with the HST Program as HT-525J and the Medical School as PA 712.0.

Pathology 211. Pathology

Catalog Number: 8615

Li-Huei Tsai (Medical School), Peter M. Howley (Medical School), Karl Münger (Medical School), Hidde Ploegh (Medical School) and associates

Half course (spring term). Tu., Th., 1:30–3:30.

An introductory course that covers fundamental pathogenic mechanisms that underlie human disease disorders and discusses a number of individual diseases, including cancer, neurodegenerative diseases and diseases of immune dysfunction. Faculty who are expert in specific areas of pathophysiology lead individual sessions.

***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

A series of reading and discussion seminars, each running for a half term (seven weeks). 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: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Pathology 302. Molecular Mechanisms of Leukocyte Trafficking**

Catalog Number: 2273

*Ulrich H. Von Andrian-Werburg (Medical School) 2090****Pathology 303. Viral Pathogenic and Transformation Mechanisms**

Catalog Number: 1644

*Peter M. Howley (Medical School) 1076****Pathology 304. Viral Carcinogenesis**

Catalog Number: 1283

*Thomas L. Benjamin (Medical School) 4115****Pathology 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 316. Control of Gene Expression in Tumorigenesis and Differentiation**

Catalog Number: 3892

Thomas M. Roberts (Medical School) 7729

***Pathology 319. Gene Regulation in the Immune Response**

Catalog Number: 1859

Anjana Rao (Medical School) 1854

***Pathology 321. Intracellular Signaling Mechanisms in Brain Development and disease**

Catalog Number: 8032

Azad Bonni (Medical School) 2923

***Pathology 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 329. Tissue-Specific Lymphocyte Homing and Diversity**

Catalog Number: 7366

James J. Campbell (Medical School) 4438

***Pathology 330. Transcriptional Regulations and Cellular Differentiation**

Catalog Number: 5521

T. Keith Blackwell (Medical School) 1826

***Pathology 331. Zinc Finger Transcription Factors**

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 333. Models of Human Neurodegenerative Diseases in the Fruit Fly *Drosophila

Catalog Number: 4845

Mel B. Feany (Medical School) 4439

***Pathology 334. Characterization of Tumor Suppressor Genes Implicated in Wilms Tumor and Breast Cancer**

Catalog Number: 5744

Daniel A. Haber (Medical School) 1832

***Pathology 335. Molecular Approaches to Cell Immortalization and Transformation**

Catalog Number: 2283

William C. Hahn (Medical School) 4317

***Pathology 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 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 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 352. Recombination Functions of the BRCA Genes**

Catalog Number: 5001

Ralph Scully (Medical School) 4536

***Pathology 353. Cell Cycle Proteins in Development and Cancer**

Catalog Number: 1475

Piotr Sicinski (Medical School) 2245

***Pathology 354. Biochemistry of Transmembrane Receptors and Signaling**

Catalog Number: 9969

Stephen C. Blacklow (Medical School) 1462

***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 359. Signal Transduction Pathways Involved in Cellular Proliferation and Apoptosis**

Catalog Number: 2841

Roya Khosravi-Far (Medical School) 2704

***Pathology 360. Biology and Genetics of Human Cancers**

Catalog Number: 0188

Matthew L. Meyerson (Medical School) 2421

***Pathology 361. The Molecular Causes of Aging**

Catalog Number: 6096

David A. Sinclair (Medical School) 2610

***Pathology 362. Gene Targeting, Immunology and Disease**

Catalog Number: 5290

Klaus Rajewsky (Medical School) 4330

***Pathology 363. Developmental Biology, Respiratory Pathobiology, Molecular Mechanisms**

Catalog Number: 5414

Mary E. Sunday (Medical School) 4338

Pharmacology

For courses pertaining to Pharmacology see listings under the Department of Biological Chemistry and Molecular Pharmacology.

Virology

Primarily for Graduates

Virology 200. 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.

Introductory virology course covering classification, structure, replication, pathogenesis, immunology and therapy of RNA and DNA viruses. There is a weekly lecture, seminar (including invited outside faculty) and literature-based critical reading and discussion.

Note: Offered jointly with the Medical School as MG 723.0.

Prerequisite: For undergraduates, junior standing and permission is required.



Virology 201. Animal Virology: Seminar

Catalog Number: 6025

Joseph G. Sodroski (Public Health), Michael R. Farzan (Medical School), Jae Ung Jung (Medical School), and Frederick C. Wang (Medical School)

Half course (fall term). W., 1:30–4:30. EXAM GROUP: 6, 7, 8

Students will evaluate and write research proposals in the areas of virus replication, viral pathogenesis and treatment and prevention of viral infections.

Prerequisite: General background in biochemistry and virology.

Virology 202. Critical Readings in Virology

Catalog Number: 6075

Max L. Nibert (Medical School) and Karl M  nger (Medical School)

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Introduction to critical reading of the virology literature. Students must perform a laboratory rotation in parallel. Weekly writing and oral presentations of journal articles chosen by the faculty or proposals based on the laboratory rotations.

Note: Limited to first year Virology students

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 304. Molecular Biology of Kaposi's Sarcoma-Associated Herpes Virus**

Catalog Number: 8182

Kenneth M. Kaye (Medical School) 3064

***Virology 305. Transcriptional Regulation of Viral and Mammalian Genes**

Catalog Number: 5437

Sean P.J. Whelan (Medical School) 4591

***Virology 306. Structure and Function of Herpes virus DNA Polymerase and the HIV Reverse Transcriptase; Resistance to Antiviral Drugs in Clinical Viral Isolates and Mechanisms of Resistance and Pathogenesis**

Catalog Number: 6968

Clyde S. Crumpacker II (Medical School) 1092



***Virology 307. Genetics and Biochemistry of Prokaryotic Transposable Elements and Yeast Meiotic Chromosome Metabolism**

Catalog Number: 6097

Nancy Kleckner 4697

***Virology 308. Molecular Genetics of Herpes Virus**

Catalog Number: 3000

Donald M. Coen (Medical School) 7617

***Virology 309. Human Oncogenic Viruses**

Catalog Number: 4011

Jack L. Strominger 1193 (on leave spring term)

***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 319. Functional Analysis of Tumor Suppression Genes**

Catalog Number: 5817

David Morse Livingston (Medical School) 4872



***Virology 320. Pathogenesis of Human Retroviruses**

Catalog Number: 1532

Joseph G. Sodroski (Public Health) 1712

***Virology 321. Retroviral DNA Integration**

Catalog Number: 6857

Alan N. Engelman (Medical School) 2196

***Virology 322. HIV Molecular Biology and Pathogenesis**

Catalog Number: 9023

Dana Gabuzda (Medical School) 1581

***Virology 323. Immunobiology of the Epstein-Barr Virus Receptor; Pathogenesis of EBV and B-cell Tumors**

Catalog Number: 0778

Joyce D. Fingerroth (Medical School) 2707

***Virology 324. Leukemogenic Retroviruses**

Catalog Number: 5263

James M. Cunningham (Medical School) 2346

***Virology 325. Retroviral Pathogenesis; Host-Virus Interactions Including Virus-Induced Perturbation of the Developing Immune System; the Nature of Protective Anti-Retroviral Immune Responses in Primates**

Catalog Number: 8029

Ruth M. Ruprecht (Medical School) 2716

***Virology 326. Pathogenesis and Treatment of Human Retrovirus and Herpesvirus Infection**

Catalog Number: 6440

Martin S. Hirsch 2876

***Virology 328. Humoral Response to Retroviral Infections in Humans; Identification of Coding Sequence of Human Retroviruses and their Gene Products**

Catalog Number: 2513

Tun-Hou Lee (Public Health) 2769

***Virology 329. Cellular Immunology of Persistent Human Virus Infections**

Catalog Number: 5417

Bruce D. Walker (Medical School) 2847

***Virology 330. Critical Readings in Virology**

Catalog Number: 5966

Alan N. Engelman (Medical School) 2196, James A. DeCaprio (Medical School) 1296, Philip W. Hinds (Medical School) 1584, Elliott D. Kieff (Medical School) 1858, and Karl Munger (Medical School) 1586



Half course (fall term). Tu., Th., 5–6:30.

Critical evaluation of virology-related papers reporting a seminal contribution, strong methodological approaches, or in some cases due to errors in methodology or author interpretation. Requirements include written critiques and class participation.

Note: Given in the month of January

***Virology 332. Protein Phosphorylation and Gene Expression in Normal and Transformed Cells**

Catalog Number: 9093

Raymond L. Erikson 7506

***Virology 333. Antiretroviral Drug Resistance, and Drug Resistant Human Immunodeficiency Virus**

Catalog Number: 5526

Daniel R. Kuritzkes (Medical School) 4773

***Virology 334. HIV-1 and Other Viruses**

Catalog Number: 3803

Michael R. Farzan (Medical School) 4775

Entry mechanisms of, and the humoral response to, HIV-1 and other viruses.

Medieval Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Medieval Studies

Michael McCormick, Francis Goelet Professor of Medieval History (*Chair*) (*on leave fall term*)

Thomas N. Bisson, Henry Charles Lea Professor of Medieval History (*on leave spring term*)

Charles Donahue, Jr., Professor of Law (*Law School*)

Daniel G. Donoghue, John P. Marquand Professor of English (*on leave spring term*)

John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature

Jeffrey F. Hamburger, Professor of History of Art and Architecture (*on leave 2003-04*)

Seamus Heaney, Ralph Waldo Emerson Poet in Residence

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art

Thomas Forrest Kelly, Harvard College Professor and Morton B. Knafel Professor of Music

Beverly Mayne Kienzle, Professor of the Practice of Latin and Romance Languages (*Divinity School*)

Angeliki E. Laiou, Dumbarton Oaks Professor of Byzantine History

John E. Murdoch, Professor of the History of Science (*on leave fall term*)



Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies
Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization
Eckehard Simon, Victor S. Thomas Professor of Germanic Languages and Literatures
Christine Smith, Robert C. and Marian K. Weinberg Professor of Architectural History (*Design School*)
R. J. Tarrant, Pope Professor of the Latin Language and Literature, Harvard College Professor (*(on leave fall term)*)
Nicholas Watson, Professor of English and American Literature and Language
Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

Other Faculty Offering Instruction in Medieval Studies

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 PhD. After a year, it is recommended that the student contact the Chairman 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 Medieval Studies Committee email on its frequent activities, contact medieval@fas.harvard.edu (and view its website at www.fas.harvard.edu/~medieval).

For Undergraduates and Graduates

Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar

Catalog Number: 3759

Michael McCormick

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16



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 an initiation to Latin palaeography, from the 6th to the 17th century, codicology, general heuristics, hagiography, late and medieval Latin philology, late antique studies, numismatics, and diplomatic.

Medieval Studies 102. Intermediate Medieval Latin Palaeography and Manuscript Culture

Catalog Number: 7124 Enrollment: Limited to 12.

Beverly Mayne Kienzle (Divinity School)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

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 research projects.

Note: Students work with William P. Stoneman, Librarian of the 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 (fall 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 2004–05.

Medieval Studies 107. Art and Architecture in Western Europe, 950-1250

Catalog Number: 9420

Christine Smith (Design School)

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

An introduction to selected works of architecture, sculpture, and painting from the revival of monumental building around the turn of the millennium to the gothic cathedral. Topics include Ottonian art; the Millennium; monasticism; pilgrimage; the idea of Antiquity; and the forging of new values. Emphasis on close examination of relatively few works in the context of each historical theme or problem, and on the diversity of cultural contexts and artistic manifestations.

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 11. EXAM GROUP: 4

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: 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 2004–05.

[Medieval Studies 125. The Spirit’s Voices: Holy Women in Medieval Christianity]

Catalog Number: 3107 Enrollment: Limited to 40.

Beverly Mayne Kienzle (Divinity School)

Half course (spring term). Hours to be arranged.

Prophets, preachers, scholars, teachers: the voices of medieval women through their writings, lives, manuscript illuminations, and music. Emphasis on careful analysis of primary texts from 1100 to 1500 and their cultural context. Thematic focus on inspiration from Scripture, the Spirit, and the saints. Attention to historiography and issues of gender, authorship, and authority.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 2262.

Primarily for Graduates

[Medieval Studies 210. Medieval Manuscripts and Liturgical Arts]

Catalog Number: 8850 Enrollment: Limited to 12.

Jeffrey F. Hamburger and Thomas Forrest Kelly

Half course (spring term). Hours to be arranged.

An interdisciplinary seminar focused on medieval liturgical manuscripts with original examples selected from the collection of the Houghton Library. Manuscripts will be studied from the perspectives of codicology, liturgy, art, and music. Students will be expected to concentrate on the methodologies of their discipline and to collaborate with students in other disciplines.

Note: Expected to be given in 2005–06. Students work with William P. Stoneman, Librarian of the Houghton Library.

Cross-listed Courses

For courses of additional interest, please look at courses taught by members of the Committee at the Graduate School of Design, Harvard Divinity School, and Harvard Law School.

[**Ancient Near East 222 \(formerly Ancient Near East 121\). 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. The *Táin*]

[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 222. The Irish Manuscript Tradition]

[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 101. The History and Structure of the English Language](#)

[English 102e. Anglo-Saxon Language and Culture: Introduction to Poetry](#)

[English 103g. Anglo-Saxon Language and Culture: *Beowulf* and Elegy](#)

[English 111. Introduction to Medieval Literature]

[English 115b. Chaucer: *The Canterbury Tales*](#)

[*English 296. Descriptive and Analytical Bibliography: Seminar](#)

*English 300hf. Old and Middle English: Doctoral Conference

[*Folklore and Mythology 97b \(formerly *Folklore and Mythology 103\). Oral Literature and the History of Folkloristics](#)

[French 70a. Introduction to French Literature I: From the Middle Ages to Modernity](#)

[French 100. History of the French Language]

[French 102. Introduction to Medieval Literature and Old French](#)

[French 108. "Amours et armes:" A Study of Medieval Romances]

[German 101. Introduction to Medieval Literature and Culture]

[German 200 \(formerly Germanic Philology 200\). Introduction to Middle High German](#)

[German 225 (formerly Germanic Philology 225). History of the German Language]

[Government 1060. The History of Ancient and Medieval Political Philosophy](#)

[Hebrew 160. The Origins and Development of the Classical Jewish Liturgy]

[Hebrew 165. Maimonides' Book of Knowledge and its Medieval Critics]

[Hebrew 168. Late Antique and Medieval Hebrew Poetry](#)

[Hebrew 171. The Problem of Language in Medieval Jewish Thought]

[Hebrew 174. Political Thought: Late Antiquity through the Middle Ages](#)

[Hebrew 217. The Medieval Torah Commentary: A Practical Introduction: Seminar]

[Historical Study B-11. The Crusades](#)

[Historical Study B-17. Power and Society in Medieval Europe: Crisis in the Twelfth Century](#)



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 1137. Cultures of Power in Later Medieval Europe: 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, East and West in the Medieval and Early Modern Period: Conference Course

[History 1212. The Imperial System: Byzantine Society and Civilization, 8thc.-1204: Conference Course]

[History 1214. History of the Soul: Conference Course]

[History 1877a. History of the Near East, 600-1055: 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 2120. Problems in Byzantine History: 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 and Literature 97. Tutorial — Sophomore Year**

History of Art and Architecture 141v. The Creation of Venetian Medieval Art, c. 1204-1375

History of Art and Architecture 143m. The Art of the Court of Constantinople

[History of Art and Architecture 146x. The Art of Devotion]

History of Art and Architecture 240r. Byzantine Art

History of Art and Architecture 250v. Giotto and his Publics

History of Art and Architecture 282. Body and Relics in Medieval Chinese Buddhist Art

[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 123. Semantics of Desire: The Erotic Theme in Dante's Poetry]

[Italian 220. Poesia del '200]

[Italian 230. Petrarca and the Divided Self]

Italian 283r. Italian Literature: Seminar

[Italian 287ar. Italian Literature: Seminar]



[Italian 287br. Italian Literature: Seminar]
[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-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-43. The Gothic Cathedral]
[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 115ar. Introduction to Byzantine Greek](#)
[Medieval Greek 120. Readings in the Cappadocian Fathers](#)
[Medieval Greek 185. Workshop in Greek Paleography](#)
[Medieval Latin 105 \(formerly Medieval Latin 205\). The Poems of Walter of Aquitaine](#)
[Medieval Latin 117. Fairy Tales and Their Tellers in the Middle Ages](#)
[Music 191r. Topics in Medieval and Renaissance Music: Proseminar](#)
[Music 212r. Chant: 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]
[Religion 1434. History of Western Christianity, 300-1100](#)
[Religion 1437. History of Western Christianity: 1100-1500](#)
[Religion 2426. Editing Greek Christian Literature: Seminar](#)
[Scandinavian 160a. Old Norse Language, Literature, and Culture: The Viking Legacy](#)
[Scandinavian 160b. Old Norse Language, Literature, and Culture: Mythology](#)
[Slavic 130a. Culture and Society in Medieval and Early Modern Bohemia]
[Slavic 280r. Slavic Culture: Seminar]
[Spanish 70a. Hispanic Literature: The Middle Ages](#)
[Spanish 120. Medieval Spain in the *Poem of the Cid*]
[Spanish 201. The History of the Spanish Language]
[Turkish 146a. Old Turkish I](#)
[Turkish 146b. Old Turkish II](#)
[Turkish 240a. Readings in Ottoman Sources I](#)
[Turkish 240b. Readings in Ottoman Sources II](#)



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*)
Leila Ahmed, Professor of Women's Studies in Religion (*Divinity School*)
Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures, Associate of Lowell House
Sugata Bose, Gardiner Professor of Oceanic History and Affairs
Steven C. Caton, Professor of Contemporary Arab Studies
Byron J. Good, Professor of Medical Anthropology (*Medical School*)
William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies
Wolfhart P. Heinrichs, James Richard Jewett Professor of Arabic
Michael Herzfeld, Professor of Anthropology
Miri Kubovy, Professor of the Practice of Near Eastern Languages and Civilizations (*on leave spring term*)
Roy Mottahedeh, Gurney Professor of History (*on leave spring term*)
Afsaneh Najmabadi, Professor of History and of Women's Studies
Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art, Associate of Currier House (*on leave 2004-05*)
E. Roger Owen, A. J. Meyer Professor of Middle East History (*on leave spring term*)
Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
Wheeler M. Thackston, Jr., Professor of the Practice of Persian and other Near Eastern Languages
Frank E. Vogel, Assistant Professor of Law (*Law School*)

The Center for Middle Eastern Studies was established for the purpose of integrating and reinforcing instruction and research in the languages, literatures, history, economics, and cultures of North Africa, the Middle East, and Islamic Central and South Asia, with the emphasis on the modern period. The Committee on Middle Eastern Studies is the degree committee that administers programs offered through the Center. To achieve its goals, the Center cooperates with departments within the Faculty of Arts and Sciences and with other faculties that have Middle Eastern interests, other regional studies centers, and various libraries and museums that hold collections related to Middle Eastern and Islamic studies. The Center's aim is to offer a comprehensive program to provide integrated training for those planning careers in education, government service, or private industry, and to support research on the area.

The following degree programs are offered through the Center: Regional Studies Program—Middle East (AM): The program for this degree requires two years of study, leading to an AM. It seeks to give the student both a broad background and a special competence in selected fields of Middle Eastern studies. Each student's needs and interests, as well as previous experience and qualifications, are taken into account in planning his or her course of study. This program is comparable to other regional studies programs, such as those for Russia and East Asia.



Joint Programs for the PhD: The Faculty of Arts and Sciences has approved joint programs with other faculty departments for the degree of PhD in Middle Eastern studies and in the fields of anthropology, fine arts, or history. A candidate for a joint PhD degree is usually expected to have completed an AM program in Middle Eastern studies or another relevant field, at Harvard or elsewhere, prior to admission as a doctoral candidate. 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, spring term*)
Ken Nakayama, Edgar Pierce Professor of Psychology (*Co-Chair*) (*on leave 2003-04*)
Anne Harrington, Professor of the History of Science (*Acting Co-Chair*) (*on leave spring term*)
Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics (FAS) and Carol K. Pforzheimer Professor (*Radcliffe Institute*)
Susan E. Carey, Henry A. Morss, Jr. and Elizabeth W. Morss Professor of Psychology
Verne S. Caviness, Jr., Joseph P. and Rose F. Kennedy Professor of Child Neurology and Mental Retardation (*Medical School*)
Peter T. Ellison, John Cowles Professor of Anthropology and Dean of the Graduate School of Arts and Sciences
Florian Engert, Assistant Professor in Molecular and Cellular Biology
Kurt W. Fischer, Professor of Education (*Education School*)
Albert M. Galaburda, Professor of Neurology (*Medical School*)
Daniel T. Gilbert, Professor of Psychology
Barbara J. Grosz, Higgins Professor of Natural Sciences (*on leave spring term*)
David A. Haig, Professor of Organismic and Evolutionary Biology (*on leave spring term*)
Marc D. Hauser, Harvard College Professor and Professor of Psychology
Richard G. Heck, Jr., Professor of Philosophy
Jill M. Hooley, Professor of Psychology
Kenneth S. Kosik, Professor of Neurology (*Medical School*)
Edward A. Kravitz, George Packer Berry Professor of Neurobiology (*Medical School*)
Richard J. McNally, Professor of Psychology
Venkatesh N. Murthy, Morris Kahn Associate Professor of Molecular and Cellular Biology
Avrom J. Pfeffer, Associate Professor of Computer Science on the Gordon McKay Endowment
Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology
Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value (*on leave 2003-04*)
Susanna Siegel, Assistant Professor of Philosophy
Elizabeth S. Spelke, Professor of Psychology
Garrett B. Stanley, Associate 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
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 a Cognitive Neuroscience track. 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 senior thesis event or 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.

Additional course listings will appear in the booklet *Courses in Mind/Brain/Behavior*.

Courses of Interest

[Anthropology 111. Behavioral and Reproductive Endocrinology](#)

[Anthropology 250. Local Biologies: Perspectives on the Interaction Between Culture and Biology]

[*BCMP 213. Behavioral Pharmacology](#)

[Biological Sciences 57 \(formerly Biology 22\). Animal Behavior](#)

[Biological Sciences 80. Behavioral Neuroscience](#)

[Computer Science 181. Intelligent Machines: Perception, Learning, and Uncertainty](#)

[Computer Science 182. Intelligent Machines: Reasoning, Actions, and Plans](#)

[Computer Science 228. Computational Learning Theory]

[Computer Science 281r. Artificial Intelligence: Reasoning and Planning Systems](#)

[Computer Science 282. Probabilistic Reasoning]

[Computer Science 283. Computer Vision]

[Computer Science 285. Multi-agent Planning Systems]

[*Computer Science 287r. Natural Language Processing]

[Computer Science 288. Computational Models of Discourse]

[Engineering Sciences 145. Introduction to Systems Analysis with Physiological Applications](#)

[Engineering Sciences 148. Neural Signal Processing](#)

[Engineering Sciences 157. Computer Speech Generation and Recognition]

[Engineering Sciences 218. Advanced Neural Signal Processing](#)

[Genetics 214. Biology of the Visual System]



History of Art and Architecture 170r (formerly History of Art and Architecture 270r).

Topics in 19th-Century Art

[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

[History of Science 275. "The Minded Body": Theoretical and Empirical Explorations]

[*History of Science 278. In Search of Mind: Seminar]

MCB 115. Cellular Basis of Neuronal Function

MCB 117. Experimental Neuroscience

***MCB 129. Molecular Genetics of Neural Development and Behavior**

MCB 141. Molecular and Developmental Neurobiology

MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation

Neurobiology 200. Introduction to Neurobiology

Neurobiology 204. Neurophysiology of Central Circuits

Neurobiology 206. Molecular Mechanisms of Synapse and Signaling

Neurobiology 207. Developmental Neurobiology

Neurobiology 209. Neurobiology of Disease

***Neurobiology 220. Cellular Neurophysiology**

[*Neurobiology 221. Molecular Neurobiology]

[OEB 174r (formerly Biology 174r). Topics in Behavioral Ecology: Learning and Memory]

Philosophy 156x. Philosophy of Mind: Mental Phenomena

Philosophy 159. Epistemology

Psychology 13. Cognitive Psychology

Psychology 16. Developmental Psychology

Psychology 18. Abnormal Psychology

***Psychology 910r. Supervised Research**

[*Psychology 987a. The Interface Between Cognitive Neuroscience and Neuropsychology: What Patients Teach Us About Theories of the Mind]

***Psychology 987b. Music, Mind, and Brain**

***Psychology 987c. Multidisciplinary Perspectives on Drug Policy**

***Psychology 987f. The Biology of Conscious States: Waking, Sleeping, and Dreaming**

[*Psychology 987g. Theories of Violence]

***Psychology 987h. The Dynamics of Drug Addictions**

***Psychology 987i. The Science of Happiness**

[*Psychology 987j. Mind, Brain, and Limits in Medicine]

***Psychology 992. Senior Tutorial: Honors Thesis (Mind/Brain/Behavior)**

***Psychology 1152r. Animal Cognition: Laboratory**

[*Psychology 1201. Psychopharmacology]

[*Psychology 1252. Neurobiology of Learning and Memory: Seminar]

[Psychology 1304. Cognitive Neuropsychology]

[*Psychology 1350. Memory and Amnesia: Seminar]

[*Psychology 1355. Behavioral Genetics]

***Psychology 1358. Cognitive Neuroscience of Emotion**

[*Psychology 1450. Interpersonal Perception]

[*Psychology 1565. Conscious Will]



[Psychology 1606. Language Acquisition](#)

[Psychology 1702. Emotions: Theories and Research](#)

[Psychology 1703. Human Sexuality](#)

[Psychology 1801. Anxiety Disorders]

[*Psychology 1803. Eating Disorders]

[*Psychology 1851. Introduction to Clinical Science]

[Psychology 1854. Schizophrenia: Seminar](#)

[*Psychology 1855. Mood Disorders](#)

[Psychology 1861. Developmental Psychopathology: Seminar](#)

[*Psychology 2170. Developmental Proseminar](#)

[*Psychology 2190. Topics in Language Acquisition]

[*Psychology 2220. Research in the Development of Concepts and Language](#)

[*Psychology 2230. Research in the Development of Cognition and Perception](#)

[*Psychology 2253r. Behavioral Neuroscience: Research Seminar]

[*Psychology 2300r. Perception, Cognition, and Representation: Seminar](#)

[*Psychology 2310. The Neuroscience of Law: Can a Legal System be Grounded in Knowledge about the Brain?]

[*Psychology 2335r. Language: Research Seminar]

[*Psychology 2345. Topics in Language Research: Linguistic, Cognitive, and Neural Aspects](#)

[*Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar](#)

[*Psychology 2400. Cognitive Psychology and Emotional Disorders]

[Psychology 2420. Cognitive-Behavioral Treatment of Psychological Disorders]

[*Psychology 2480. Human Neuropsychology/Neuroanatomy: Seminar]

[Psychology 2482. Neuropsychological Assessment](#)

[Quantitative Reasoning 22. Deductive Logic](#)

[Science B-29. Evolution of Human Nature](#)

[Science B-44. Vision and Brain](#)

[Science B-48. From DNA to Brain](#)

[Science B-60. Origins of Knowledge](#)

[Science B-62. The Human Mind](#)

[Social Analysis 28. Culture, Illness, and Healing: An Introduction to Medical Anthropology]

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 Music
 (*Chair*)

Deborah Burton, Lecturer on Music

Mauro Calcagno, Assistant Professor of Music

Eric D. Chasalow, Visiting Professor of Music (*Brandeis University*)

Mario Davidovsky, Fanny P. Mason Professor of Music

Joshua Fineberg, John L. Loeb Associate Professor of the Humanities

Sean Thomas Gallagher, Assistant Professor of Music (*on leave 2003-04*)

Elliott John Gyger, Assistant Professor of Music

James Haar, Visiting Professor of Music (*University of North Carolina, Chapel Hill*) (*fall term only*)

Christopher Hasty, Walter W. Naumburg Professor of Music (*Head Tutor*)

Arthur V. Kreiger, Visiting Associate Professor of Music (*Connecticut College*) (*spring term only*)

Robert D. Levin, Dwight P. Robinson, Jr. Professor of Music (*on leave 2003-04*)

Jameson N. Marvin, Senior Lecturer on Music

Lansing D. McLoskey, Lecturer on Music, Teaching Assistant in Music

Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment

Carol J. Oja, William Powell Mason Professor of Music

Karen Painter, Associate Professor of Music

Bernard Rands, Walter Bigelow Rosen Professor of Music

Alexander Rehding, Assistant Professor of Music

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies (*on leave 2003-04*)

Anne C. Shreffler, James Edward Ditson Professor of Music (*on leave fall term*)

Daniel Stepner, Preceptor in Music

John Stewart, Senior Preceptor in Music

Andrew J. Talle, Lecturer on Music

Judith Weir, Fromm Foundation Visiting Professor of Music (*spring term only*)

Richard K. Wolf, Harris K. Weston Associate Professor of the Humanities

Christoph Wolff, Adams University Professor

Yehudi Wyner, Visiting Professor of Music (*Brandeis University*)

James D. Yannatos, Senior Lecturer on Music

Su Zheng, Visiting Professor of Music (*Wesleyan University*)

Undergraduates considering a concentration in Music should meet with the Head Tutor to discuss the program. Prospective concentrators in Music are encouraged to take Music 51 in their freshman year; Music 51 is a prerequisite of Music A. Music A is required of concentrators, and should be taken as early as possible. Students who know they are going to concentrate in Music and do not have piano background should consult with the instructor of Music A immediately upon arrival at Harvard. In order to obtain concentration credit for a course for which such credit is not normally given, students must petition the Department at the beginning of the term. For students not intending to concentrate in Music, the department ordinarily offers Music 1 and Music 2 every year. Other courses may be taken with permission of the instructor. See also



listings in African and African American Studies, Core Curriculum, Folklore and Mythology, General Education, and Medieval Studies.

Primarily for Undergraduates

***Music Ar. Musicianship**

Catalog Number: 4859

John Stewart

Half course (fall term; repeated spring term). Hours to be arranged.

Consists of two parts: (1) Basic piano skills involving sight reading, score reading, figured bass realization, harmonization 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: Limited to concentrators; the Earlab is open to students concurrently taking another course in the Music Concentration Program. Music concentrators are required to enroll in two terms of Music A, starting in the fall term. A special examination is required of Music concentrators to meet the Musicianship requirement. While credit is awarded for suitable progress in the course, concentrators may find it necessary to repeat (audit) all or portions of Music A in order to prepare for this exam (see Concentrator's Handbook).

Prerequisite: Music 51.

Music 1a. Introduction to Music I

Catalog Number: 8071

Members of the Department

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

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 prior knowledge of music is presumed.

Music 1b. Introduction to Music II

Catalog Number: 4952

Members of the Department

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Music 1b continues the survey started in Music 1a, beginning with the transition from the Classical to the Romantic period. Explores the history of music in its stylistic and cultural contexts, including aspects of form, composition, social significance, and politics. Composers studied include Beethoven, Schubert, Robert and Clara Schumann, Liszt, Berlioz, Mahler, Wagner, Bizet, Verdi, Schoenberg, Berg, Stravinsky, Debussy, and later twentieth-century figures.

Note: Music 1b can be taken independently of Music 1a. No prior knowledge of music presumed.



Music 2. Foundations of Tonal Music I

Catalog Number: 0645 Enrollment: Limited to 60.

Joshua Fineberg

Half course (spring term). M., W., F., at 3. EXAM GROUP: 8

Seeks to develop a greater understanding of musical language, the conceptual foundations of musical literature, and of how critical listening and analysis can be performed. We will make use of traditional prose analysis in the form of written essays as well as musically specific writing and analytical techniques. While reading knowledge of simple musical notation is helpful, there will be at least one section for students with no previous experience.

Note: Open to all students. May not be counted for concentration. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[Music 3. Foundations of Tonal Music II]

Catalog Number: 5805 Enrollment: Limited to 48.

Joshua Fineberg

Half course (spring term). Hours to be arranged.

The first part of the course concentrates on increasing understanding and fluency in writing within the musical language of “common practice tonality.” The second part of the course looks at 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: Expected to be given in 2004–05. May not be counted for concentration credit.

Prerequisite: Music 2 or permission of the instructor.

Music 4. Introduction to Composition

Catalog Number: 2239 Enrollment: Limited to 16.

Elliott John Gyger

Half course (fall term). M., 2–4; F., at 2. EXAM GROUP: 7, 8

Open to students with little or no prior experience in composition. Explores ways of thinking about and organizing basic compositional elements such as melody, harmony, rhythm and instrumental color, as well as developing skills of score preparation and analytical listening. The primary focus of the course is a series of short compositional exercises, culminating in a somewhat longer final project. Workshop performances of students’ music take place throughout the term.

Note: May not be counted for concentration credit.

Prerequisite: Music 2 or equivalent or permission of the instructor.

[Music 5. Intermediate Composition]

Catalog Number: 2376 Enrollment: Limited to 16.

Half course (spring term). Hours to be arranged.

Open to students with a small amount of prior experience in composition. Continues the exploration of basic compositional principles begun in Music 4, but with a focus on strategies of large-scale organization. Students write four short pieces, each elaborated over a period of several weeks, exploring different principles of formal design (e.g. theme and variations, motivic development, collage). Workshop performances of students’ music take place throughout the



term.

Note: Expected to be given in 2004–05. May not be taken for concentration credit. May be taken independently of Music 4.

Prerequisite: Music 2 or equivalent or permission of the instructor.

***Music 51. Theory I**

Catalog Number: 3649

John Stewart

Full course. Tu., Th., at 1, and additional hours to be arranged. EXAM GROUP: 15

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. Concentrators should plan to meet this requirement by no later than the end of the sophomore year.

Prerequisite: Basic theory and ear training skills. Basic keyboard and sight reading of a Bach Chorale required.

***Music 91r. Supervised Reading and Research**

Catalog Number: 1298

Christopher Hasty and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to students wishing to pursue supervised study in an area not covered by the courses currently offered. Students must submit a study proposal to the faculty member with whom they wish to study and a signed proposal to the Assistant to the Head Tutor. May be counted for concentration *only* with the prior approval of the Department.

***Music 92r. Senior Project**

Catalog Number: 2744

Christopher Hasty and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

For students doing a Senior Project, when a pertinent regularly listed course does not exist, or is not being offered during the student's senior year.

Note: Students should read carefully and well in advance the relevant material in Handbook for Students, under the section of "Fields of Concentration: Music". Students should note, in particular #3 in the section marked 'Basic requirements': "a brief written prospectus . . . must be approved and signed by the instructor, and submitted to the Head Tutor no later than the second week of the 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 Assistant to the Head Tutor.

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, and an additional meeting to be arranged. EXAM GROUP: 3

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

Christopher Hasty 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

Christopher Hasty 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. EXAM GROUP: 6, 7

Students will conduct the class/choir to gain experience in building and refining their conducting technique. Through repertoire from the 16th - 20th century, students will develop clear, precise and expressive conducting gestures.

Note: May not be counted for concentration credit.

Prerequisite: Choral or ensemble experience; ear training, keyboard, and theory background helpful.

[Music 121b. Advanced Choral Conducting]

Catalog Number: 1675

Jameson N. Marvin



Half course (spring term). Hours to be arranged.

Score Analysis and Interpretation: learning to understand the symbolic notation of musical gesture. Development of the mental-aural image of the score: preparing the conductor's ear for rehearsal. Rehearsing: how to hear, how to listen, how to fix. Further development of conducting technique: clarity, precision, and informed expressivity revealing musical gesture.

Note: Expected to be given in 2004–05.

Prerequisite: Music 121a, Music 51, or conducting and musicianship background.

***Music 125a. Beginning Orchestration and Conducting**

Catalog Number: 8397

James D. Yannatos

Half course (fall term). Th., 2–4. 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). Hours to be arranged.

Advanced conducting skills related to studies in tonal, polytonal, atonal, 12-tone and avant-garde orchestration. Demonstration of wind, brass, and percussion instruments.

Note: Expected to be given in 2004–05.

Prerequisite: Music 154 or permission of instructor.

Music 126b. Advanced Conducting

Catalog Number: 4868

James D. Yannatos

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

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.

Prerequisite: Music 125a, Music 154, and/or permission of the instructor.

***Music 154. Theory II**

Catalog Number: 4771

Alexander Rehding

Full course. M., W., F., at 11. EXAM GROUP: 4

Continues the work of Music 51 with emphasis on Classical style (Mozart, Haydn, Beethoven). Concepts are developed through composition, keyboard and analytical exercises. Topics include harmony, phrase structure, form, sonata procedures. Spring term also explores chromatic harmony in eighteenth- and nineteenth-century music.

Note: Required of all concentrators. May not be counted for credit toward an advanced degree.

Prerequisite: Music 51 or equivalent.



Music 155. Modal Counterpoint

Catalog Number: 7710

Christopher Hasty

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Study of representative styles and genres of sixteenth-century polyphony. Detailed analytic work will be combined with compositional exercises.

Prerequisite: Music 154 or permission of instructor.

Music 156. Tonal Counterpoint

Catalog Number: 3930

Deborah Burton

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Written work in the Bach style.

Prerequisite: Music 154 or equivalent.

Music 157x. Tonal Analysis

Catalog Number: 6830

Christopher Hasty

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

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

Bernard Rands

Half course (spring term). Hours to be arranged.

Detailed examination of representative 20th-century compositions.

Prerequisite: Music 154 or permission of instructor.

[Music 158r. Interpreting Musical Performance]

Catalog Number: 9813

Christopher Hasty

Half course (spring term). Hours to be arranged.

Detailed analysis of selected pieces of music aimed at discovering and evaluating possibilities for execution and perception. Repertory will include fully notated music and music that has no tradition of notation. Among the questions to be addressed are those of perception, notation, and the adequacy of conventional analytic categories.

Note: Expected to be given in 2004–05.

Prerequisite: Music 154 or permission of instructor.

***Music 160ar. Composition: Proseminar**

Catalog Number: 2685

Elliott John Gyger

Half course (fall term). Hours to be arranged.



Open to students prepared for individual work in composition. Focus on the string quartet, including contemporary repertoire survey, short exercises, and a final project of modest dimensions. Incorporates readings and final performance of students' work.

Prerequisite: Music 154 or permission of instructor.

Music 160br. Composition: Proseminar

Catalog Number: 0949

Elliott John Gyger

Half course (spring term). Hours to be arranged.

Continuation of Music 160ar. Focus on the Pierrot-plus-percussion sextet, including contemporary repertoire survey, short exercises, and a final project of modest dimensions.

Incorporates readings and final performance of students' work.

Prerequisite: Music 154 or permission of instructor.

***Music 167ar. Electro-Acoustic Composition**

Catalog Number: 3806 Enrollment: Limited to 12.

Eric D. Chasalow (Brandeis University)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Composition/performance involving electronic medium, analog and digital. Projects realized in electronic studio using synthesizers and computers, 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 studied. Synthesis, sampling, MIDI sequencing, digital recording, editing, and live performance techniques also covered.

Prerequisite: One course in theory/composition or by permission of instructor

***Music 167br. Electro-Acoustic Composition**

Catalog Number: 9187 Enrollment: Limited to 12.

Eric D. Chasalow (Brandeis University)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Continuation of Music 167ar.

Prerequisite: One course in music theory/composition or by permission of instructor

[*Music 178r. Performing Music]

Catalog Number: 6366 Enrollment: Limited to 14.

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2004–05.

***Music 180r. Performance and Analysis: Seminar**

Catalog Number: 2294 Enrollment: By audition only, prior to the first meeting.

Yehudi Wyner (Brandeis University) 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). Hours to be arranged.

Articulation, ornamentation, improvisation, and other stylistic domains are considered from the perspectives of historical evidence and modern performance.

Note: Expected to be given in 2004–05. May be counted for music concentration credit for Music 192r.

Prerequisite: Music 154 or permission of instructor.

[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 2004–05. May be counted for music concentration credit for Music 193r.

Prerequisite: Music 154 or permission of the instructor.

***Music 190r (formerly *Music 190r). Topics in World Music: Proseminar**

Catalog Number: 1312

Richard K. Wolf

Half course (fall term). F., 2–4. EXAM GROUP: 7, 8

Music in Islamic Contexts: South and West Asia. Explores what it means for musical cultures to share Islam as a common context by examining South and West Asian musical cultures and issues pertaining to the Muslim world as a whole. Islam is limited here neither to scriptural form, nor to arabic practice. Student class projects may include field research in Boston; textual approaches to musical sound or philosophies of sound; or hands-on Iranian musical performance (using departmental instruments).

***Music 190rs. Topics in World Music: Proseminar**

Catalog Number: 7577

Richard K. Wolf

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

Music and Mediation in South Asia. Concepts of “mediation” illuminate musical-cultural processes in the vernacular, popular, and classical traditions of South Asia. Music here “mediates” not only as part of the “mass media” but also as a bridge between human and non-human entities, or as a link between communities separated by geography, religion, gender, age,



caste or class. Students invited to write papers on topics ranging from bhangra to bhajan, underground music to Vedic chant.

Music 191r. Topics in Medieval and Renaissance Music: Proseminar

Catalog Number: 2524

Mauro Calcagno

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

The Italian 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, Rore, Marenzio, Gesualdo, and Monteverdi, and their musical “readings” of poems by Petrarch, Tasso, Ariosto, and others. 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 192r. Topics in Music from 1600-1800: Proseminar

Catalog Number: 2944

Christoph Wolff

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Mozart in Vienna: The Final Years.

Note: For music concentrators or by permission of instructor.

Music 193r. Topics in Music from 1800 to the Present: Proseminar

Catalog Number: 3741

Karen Painter

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

The Songs of Schubert, Mahler, and Wolf. The seminar explores the literary context and musical construction of Goethe settings (Schubert and Hugo Wolf) and orchestral songs (Wolf and Mahler). The creative process is studied through Schubert’s re-settings of poems and Wolf’s orchestration of songs for voice and piano. Other topics include the social and political history of Lied performance, tension between repetition and development in aesthetics and practice, and changes in the nature of musical listening.

Note: For music concentrators or by permission of instructor. Open to students outside the department.

Music 193rs. Topics in Music from 1800 to Present: Proseminar

Catalog Number: 8586

Carol J. Oja

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

The Broadway Musical: Ethnicity, Politics, and Musical Style. Explores the classic Broadway musical, focusing on major works: *Show Boat*, *The Cradle Will Rock*, *Oklahoma!*, *The King and I*, *West Side Story*, and *A Little Night Music*. Soundtrack recordings and film adaptations provide primary sources and are explored from a variety of perspectives. Focus placed on archival research in the Harvard Theatre Collection.

Note: For music concentrators or by permission of instructor.



Music 194r. Special Topics: Proseminar

Catalog Number: 2846

James Haar (University of North Carolina, Chapel Hill)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

The Romantics and Early Music.

Note: For music concentrators or by permission of instructor.

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-63. Bach in His Time and Through the Centuries

[Literature and Arts B-64. The Symphonic Century: Orchestral Music from 1820 to 1914]

[Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World]

Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue

[Medieval Studies 210. Medieval Manuscripts and Liturgical Arts]

Primarily for Graduates

Music Bhf. Exercises in Tonal Writing and Analysis

Catalog Number: 3045

Lansing D. McLoskey

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 201a. Current Methods in Ethnomusicology

Catalog Number: 4975

Ingrid Monson

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

Focus on the history, methodologies and critical tools of ethnomusicology, with emphasis on the ethnography and analysis of performance. The interdisciplinary character of the field and its implications for research are emphasized.

Note: May be taken independently by students from other departments with permission of instructor.

Music 201b. Current Methods in Historical Musicology

Catalog Number: 3995

Anne C. Shreffler

Half course (spring term). Hours to be arranged.

A continuation of Music 201a, focusing on the concept of performance in Western music since the 18th century. Includes aspects of the history of musicology and of newer methodologies.

Note: May be taken independently by students from other departments with permission of instructor.



[Music 206r. Research Methods in Ethnomusicology: Musical Ethnography]

Catalog Number: 6891

Kay Kaufman Shelemay

Half course (fall term). Hours to be arranged.

An introduction to the theories and methods of ethnomusicological fieldwork, including changing conceptions of the research site, ethical concerns, interview techniques, the ethnography of musical performance, and data analysis and interpretation.

Note: Expected to be given in 2004–05. Individual research project required. Open to undergraduates with permission of instructor.

Music 207r. Ethnomusicology: Seminar

Catalog Number: 2149

Richard K. Wolf

Half course (fall term). M., 7–9 p.m. EXAM GROUP: 9

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. Readings and projects range historically and geographically. Focuses on ethnographic illustrations from South Asia.

Note: Open to undergraduates with permission of instructor.

Music 207rs. Ethnomusicology: Seminar

Catalog Number: 8999

Richard K. Wolf

Half course (spring term). M., 7–9 p.m. EXAM GROUP: 9

Music and Mourning. Probes how actors attach social and cultural meaning to music in contexts of funerals and dolorous pieties (especially Muharram). Readings include classic anthropological treatments of mortuary ritual and theoretical approaches to music and emotion.

Note: Open to undergraduates with permission of instructor.

Music 208r. Ethnomusicology: Seminar

Catalog Number: 2232

Su Zheng (Wesleyan University)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

Twentieth Century Chinese Music. An examination of musical trends and intellectual debates at the intersection of modernization, nationalism, communism, gender politics, and globalization. Musical genres considered include traditional, popular, and hybrid ones. Special attention on recent Chinese American composers.

Note: Open to undergraduates with permission of instructor.

[Music 209r. Ethnomusicology: Seminar]

Catalog Number: 4022

Ingrid Monson

Half course (fall term). Hours to be arranged.

Music and Cultural Theory. Since the 1980s, the fields of musicology and ethnomusicology have seen an influx of new thinking that draws on interdisciplinary trends in the humanities and the social sciences with emphasis on anthropology and poststructural criticism.

Note: Expected to be given in 2004–05. Open to undergraduates with permission of instructor.



Music 212r. Chant: Seminar

Catalog Number: 4984

Thomas Forrest Kelly

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Melodic Transmission in Chant.

Note: Open to undergraduates with permission of instructor.

Music 214r. Renaissance Music: Seminar

Catalog Number: 7825

James Haar (University of North Carolina, Chapel Hill)

Half course (fall term). Hours to be arranged.

Mode in the Renaissance.

Note: Open to undergraduates with permission of instructor.

Music 214rs. Renaissance Music: Seminar

Catalog Number: 6294

Mauro Calcagno

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

Petrarch, Petrarchism, and the Madrigal. The influence of Petrarch's poetics on the music of Arcadelt, Willaert, Lasso, Rore, Marenzio, Wert, and Monteverdi. Issues of music analysis, text/music criticism, ideology, and historiography.

Note: Open to undergraduates with permission of instructor.

[Music 215r. Baroque: Seminar]

Catalog Number: 6817

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2004–05. Open to undergraduates with permission of instructor.

Music 216r. 18th-Century Music: Seminar

Catalog Number: 6868

Christoph Wolff

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Bach's Weimar Cantatas: A Study in Chronology and Style

Note: Open to undergraduates with permission of instructor.

Music 217r. 19th-Century Music: Seminar

Catalog Number: 9814

Karen Painter

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Wagner's Ring. The seminar extends from Wagner's writings and mythological sources to his ideological legacy. Historical and contemporary analytic methods are applied to the Ring's score, text, and dramaturgy, alongside a study of Wagner's creative process.

Note: Open to undergraduates and students outside the department by permission of instructor.



Music 218r. 20th-Century Music: Seminar

Catalog Number: 0774

Carol J. Oja

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

Modernism, the Harlem Renaissance, the “Machine Age,” the “New Woman” in relation to American concert music of the early twentieth century. Encompassing Copland, Cowell, Crawford, Gershwin, Ives. Exploring archival resources in Boston.

Note: Open to undergraduates with permission of instructor.

Music 219r (formerly Music 219br). 19th and 20th Century Music

Catalog Number: 2275

Anne C. Shreffler

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

American Avant-garde and Experimental Music after 1945. Focuses on how composers including Babbitt, Cage, Carter, Feldman, and Wolpe developed distinct and intentionally innovative musical practices after World War II. Special attention given to the international musical and political context.

Note: Open to undergraduates with permission of instructor.

[Music 220ar. History of Music Theory: Seminar]

Catalog Number: 2119

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2004–05. Open to undergraduates with permission of instructor.

Music 220br. History of Music Theory: Seminar

Catalog Number: 1580

Alexander Rehding

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

While music theory serves to legitimize music, it itself requires legitimization. In reading key texts, from Zarlino to Schenker, we develop a (post-) Foucauldian framework for the authorities under which music theory functions

Note: Open to undergraduates with permission of instructor.

[Music 222r. Schenkerian Analysis I]

Catalog Number: 4055

Christopher Hasty

Full course (spring term). Hours to be arranged.

Introduction to the theories and graphing techniques of Heinrich Schenker and his followers through the analysis of selected works.

Note: Expected to be given in 2004–05. Open to undergraduates with permission of instructor.

Music 230ar. Topics in Music Theory I

Catalog Number: 5712

Christopher Hasty

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16



Music and Meaning. The past decade has seen a renewal of interest in problems of musical meaning and in comparisons of music and language. This seminar will consider the arguments and motivations of prominent theorists and attempt to develop concepts that might adequately address questions of the meaningfulness of musical experience.

Note: Open to undergraduates with permission of instructor.

Music 230br. Topics in Music Theory II

Catalog Number: 6696

Christopher Hasty

Half course (spring term). W., 10–12. EXAM GROUP: 3, 4

Studies in Musical Analysis. Detailed analyses of music from a various periods and cultures. The aim of the seminar will be to develop ways of writing about music that can effectively communicate and evaluate potentials for actual musical experience.

Note: Open to undergraduates with permission of instructor.

***Music 261r. Composition: Seminar**

Catalog Number: 3326 Enrollment: Limited to 10.

Bernard Rands

Full course (indivisible). Hours to be arranged.

For students prepared for work in original composition.

***Music 262r. Composition: Seminar**

Catalog Number: 4457 Enrollment: Limited to 10.

Mario Davidovsky (fall term) and Yehudi Wyner (Brandeis University) (spring term)

Full course (indivisible). Hours to be arranged.

For students prepared for work in original composition.

Music 264r. Electronic Music Composition: Seminar

Catalog Number: 1939

Mario Davidovsky (fall term) and Arthur V. Kreiger (Connecticut College) (spring term)

Full course (fall term; repeated spring term). F., 1–3. EXAM GROUP: 6, 7

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 (spring term). Th., 1–4. EXAM GROUP: 15, 16, 17

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



Bernard Rands

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

Topics in Composition.

Music 271r. From Seminar in Composition

Catalog Number: 1311

Judith Weir

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Music 272r. Special Topics

Catalog Number: 2059

Elliott John Gyger

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Late Modernism and the Concerto. Transformations of the concerto genre since 1960 by modernist composers, including Carter, Ligeti, Xenakis, Birtwistle and Lachenmann. Issues include: virtuosity, solo-tutti relationship, customization of the orchestra, timbral, and formal strategies.

Graduate Courses of Reading and Research

***Music 300. Reading and Research for Advanced Students**

Catalog Number: 2504

Mauro Calcagno 3871, Mario Davidovsky 1146, Joshua Fineberg 3749, Sean Thomas Gallagher 4415 (on leave 2003-04), Elliott John Gyger 4462, Christopher Hasty 4445, Thomas Forrest Kelly 1324, Robert D. Levin 3482 (on leave 2003-04), Ingrid Monson 1591, Carol J. Oja 4599, Karen Painter 3615, Bernard Rands 1900, Alexander Rehding 4651, Kay Kaufman Shelemay 3483 (on leave 2003-04), Anne C. Shreffler 4656 (on leave fall term), Richard K. Wolf 1386, and Christoph Wolff 4532

Individual work on specific topics not included in the announced course offerings.

***Music 301. Reading and Research**

Catalog Number: 6543

Mauro Calcagno 3871, Mario Davidovsky 1146, Joshua Fineberg 3749, Sean Thomas Gallagher 4415 (on leave 2003-04), Elliott John Gyger 4462, Christopher Hasty 4445, Thomas Forrest Kelly 1324, Ingrid Monson 1591, Carol J. Oja 4599, Karen Painter 3615, Bernard Rands 1900, Alexander Rehding 4651, Kay Kaufman Shelemay 3483 (on leave 2003-04), Anne C. Shreffler 4656 (on leave fall term), Richard K. Wolf 1386, and Christoph Wolff 4532

Individual work in preparation for the General Examination for the PhD degree.

Note: May not be counted toward course requirements for the PhD degree.

***Music 309. Doctoral Colloquium**

Catalog Number: 2260

Carol J. Oja 4599

***Music 310. Direction of Doctoral Dissertations**

Catalog Number: 1819



Mario Davidovsky 1146, Sean Thomas Gallagher 4415 (on leave 2003-04), Christopher Hasty 4445, Thomas Forrest Kelly 1324, Robert D. Levin 3482 (on leave 2003-04), Ingrid Monson 1591, Carol J. Oja 4599, Bernard Rands 1900, Kay Kaufman Shelemay 3483 (on leave 2003-04), Anne C. Shreffler 4656 (on leave fall term), and Christoph Wolff 4532

Note: May not be counted toward course requirements for the PhD degree.

Near Eastern Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Near Eastern Languages and Civilizations

P. Oktor Skjaervo, Aga Khan Professor of Iranian (*Chair*)

Laura L. Adams, Lecturer on Near Eastern Languages and Civilizations

Irit Aharony, Preceptor in Modern Hebrew

Ahmed H. al-Rahim, Preceptor in Arabic

James A. Armstrong, Lecturer on Near Eastern Languages and Civilizations

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

Mostafa Atamnia, Preceptor in Modern Arabic

Samar Attar, Lecturer on Arabic

Paul-Alain Beaulieu, Associate Professor of Assyriology

David Berger, Gerard Weinstock Visiting Professor of Jewish History (*Brooklyn College and the Graduate School, City University of New York*)

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

Michael D. Coogan, Visiting Lecturer on Near Eastern Languages and Civilizations

John L. Ellison, Lecturer on Near Eastern Languages and Civilizations

May Farhat, Preceptor in Arabic

Orly Goldwasser, Visiting Professor of Egyptology (*Hebrew University of Jerusalem*) (*spring term only*)

William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies

William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment (*Director of Undergraduate Studies*) (*on leave spring term*)

Anna Grinfeld, Preceptor in Modern Hebrew

Jo Ann Hackett, Professor of the Practice of Biblical Hebrew and Northwest Semitic Epigraphy

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



John Huehnergard, Professor of Semitic Philology (*Director of Graduate Studies*)
Susan M. Kahn, Lecturer on Near Eastern Languages and Civilizations
Hakan T. Karateke, Preceptor in Modern Turkish Language
Efraim Karsh, Nachshon Visiting Professor of Modern Israel Studies (*University of London*) (*fall term only*)
Miri Kubovy, Professor of the Practice of Near Eastern Languages and Civilizations (*on leave spring term*)
Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)
Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages (*Acting Director of Undergraduate Studies, spring term*)
Tami Marks, Preceptor in Modern Hebrew (*spring term only*)
Avi Matalon, Assistant Professor of Near Eastern Languages and Civilizations
Susan G. Miller, Lecturer on Islamic Civilizations
James R. Russell, Mashtots Professor of Armenian Studies
Richard James Saley, Lecturer on the Ancient Near East
John S. Schoeberlein, Lecturer on Near Eastern Languages and Civilizations
Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization
Lawrence E. Stager, Dorot Professor of the Archaeology of Israel (*on leave spring term*)
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
Robert Wisnovsky, Associate Professor of Islamic Intellectual History (*on leave 2003-04*)
Ruth R. Wisse, Harvard College Professor, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature
Aron Zysow, Lecturer on Near Eastern Languages and Civilizations

Other Faculty Offering Instruction in the Department of Near Eastern Languages and Civilizations

Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology
Roy Mottahedeh, Gurney Professor of History (*on leave spring term*)
John M. Mugane, Senior Preceptor in African and African American Studies
Baruch J. Schwartz, Visiting Professor of Hebrew Bible (*Divinity School*)

Knowledge of a Near Eastern language is not required in courses designated as Near Eastern Civilizations, Ancient Near East, Jewish Studies, Early Iranian Civilizations, Islamic Civilizations, and Armenian Studies, unless otherwise stated.

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

Near Eastern Civilizations



Primarily for Undergraduates

Near Eastern Civilizations 90. Junior Seminars. These half courses are limited in enrollment with preference given to Near Eastern Languages and Civilizations concentrators in their junior years. Undergraduate non-concentrators may enroll in junior seminars on a space available basis.

***Near Eastern Civilizations 91r. Supervised Reading and Research**

Catalog Number: 1132

William E. Granara (fall term), Peter Machinist (spring term) and members of the Department
Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research in subjects not treated in regular courses.

***Near Eastern Civilizations 97r. Group Tutorial—Sophomore Year**

Catalog Number: 0167

Peter Machinist and members of the Department
Half course (spring term). Th., 4–5:30.

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 (fall term), Peter Machinist (spring term) 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 (fall term), Peter Machinist (spring term) and members of the Department
Full course. Hours to be arranged.

Note: Designed for seniors concentrating in Near Eastern Languages and Civilizations.

For Undergraduates and Graduates

Near Eastern Civilizations 110. Tel Aviv: Urban Culture in another Zion

Catalog Number: 7145

Avi Matalon

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

How to read a city? A literary and cultural survey of the city of Tel Aviv. Founded as “the First Hebrew City,” Tel Aviv now calls itself a “Non-Stop City” and is the bustling center of Israeli culture. Traces Tel Aviv’s development as represented in literary and cultural texts including fiction, poetry, film, photography, music and architecture.

Note: Readings and discussions in English.

Primarily for Graduates



***Near Eastern Civilizations 200a (formerly Islamic Civilizations 200a). Approaches to Middle Eastern Studies: Proseminar**

Catalog Number: 5918

Susan M. Kahn

Half course (fall term). F., 2–4. EXAM GROUP: 7, 8

Interdisciplinary seminar serves as an introduction to the major disciplines constituting Middle Eastern Studies, including history, political science, anthropology, literature and Islamic Studies. Guest lecturers comprise faculty members.

Note: Required for students pursuing the AM in Middle Eastern Studies. Primarily for first-term students in the AM in Middle Eastern Studies program, although open to AM students in related fields.

Near Eastern Civilizations 200b (formerly Islamic Civilizations 200b). Middle Eastern Studies Research Project: Seminar

Catalog Number: 9274

Susan G. Miller

Half course (spring term). Tu., 4–6; M., 5:30–7:30 p.m. EXAM GROUP: 18

Interdisciplinary seminar where students are required to expand a paper written previously for another course in Middle Eastern Studies into a long research paper and present their findings to the seminar. Students critique the presentations.

Note: Required for students pursuing the AM in Middle Eastern Studies. Primarily for students in the final term in the AM in Middle Eastern Studies program, although open to AM students in related fields.

Graduate Courses of Reading and Research

***Near Eastern Civilizations 300. Direction of Master's Thesis**

Catalog Number: 2448

J. F. Coakley 3409, William E. Granara 1054 (on leave spring term), and Jon D. Levenson (Divinity School) 2264

***Near Eastern Civilizations 390. Direction of Doctoral Dissertations**

Catalog Number: 3041

Ali S. Asani 7739, Paul-Alain Beaulieu 3708, Shaye J.D. Cohen 4180, William A. Graham, Jr. 4156, William E. Granara 1054 (on leave spring term), Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394, Jay M. Harris 2266, Wolfhart P. Heinrichs 4988, John Huehnergard 7697, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812, James R. Russell 3411, Bernard Septimus 7160, P. Oktor Skjaervo 2869, Lawrence E. Stager 1468 (on leave spring term), Piotr Steinkeller 7337, Sinasi Tekin 2353, Wheeler M. Thackston, Jr. 4004, Robert Wisnovsky 2229 (on leave 2003-04), and Ruth R. Wisse 3177

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., at 1, Th., 1–3. EXAM GROUP: 15, 16

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 A. Armstrong

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Surveys the archaeology of ancient Mesopotamia (geographically defined as the territory of modern Iraq plus immediately adjacent areas) from the Neolithic Period until the conquest of Alexander the Great. While theoretical issues and approaches will not be neglected, the emphasis in this class is on the archaeological data that are used in reconstructions of Mesopotamia's history and its ancient social systems.

[Ancient Near East 102. Introduction to Mesopotamian Religion]

Catalog Number: 0486

Piotr Steinkeller

Half course (spring term). 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 2005–06. 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 2004–05. 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). Hours to be arranged.

Conceptions of history and the practice of historical writing in the ancient Near East. Discussions based on a comparative study of texts from a variety of cultural traditions, such as the Hittites, Mesopotamia, ancient Israel/ Hebrew Bible, and Second Temple Judaism, together with classical Greece.

Note: Expected to be given in 2005–06. Offered jointly with the Divinity School as 1427.

Prerequisite: Knowledge of biblical and ancient Near Eastern history and one of its languages, and of a modern research language such as French or German helpful.



Ancient Near East 112. Wor(l)d Classification in Ancient Egypt

Catalog Number: 4967

Orly Goldwasser (Hebrew University of Jerusalem)

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

The prominent feature of the hieroglyphs which Egyptologists call “determinatives” makes up an elaborate system of classifiers. All items of the lexicon take iconic classifiers. By this device, the script reflects the map of knowledge-organization of ancient Egyptian culture. Events occurring in the picture-script render cognitive processes transparent hundreds of years before they have ripened into language. This “visibility” bears directly on a number of crucial questions in cognitive linguistics, ethnobiology, and cultural studies.

Note: No previous knowledge of the hieroglyphic script is required.

[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.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 1420.

Includes a lab section.

Ancient Near East 117. Biblical Archaeology

Catalog Number: 1371

Lawrence E. Stager

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Archaeology and texts, such as the Bible, used to reconstruct aspects of social, economic, and religious life (from courtier to commoner) in ancient Israel during the Iron Age.

Note: Offered jointly with the Divinity School as 1422. Includes a lab section.

Ancient Near East 118. Syro-Palestinian Pottery

Catalog Number: 1368

Lawrence E. Stager

Half course (fall term). F., 3–5. EXAM GROUP: 8, 9

A basic introduction to the pottery sequence of Palestine and Syria from Neolithic through Roman times, with emphasis on typological attributes having chronological significance. Conducted in the Harvard Semitic Museum laboratory.

Note: Offered jointly with the Divinity School as 1862. Includes a lab section.

Ancient Near East 119. Israel’s Prophets as Messengers of God

Catalog Number: 8271

Baruch J. Schwartz (Divinity School)

Half course (spring term). Tu., Th., at 3 and an hour to be arranged. EXAM GROUP: 17



A study of prophecy in Ancient Israel as established by Moses and as perpetuated by the earlier (pre-classical) and later, literary (classical) prophets of Israel and Judah. Selections from the Torah and Former Prophets, and from the books of Hosea, Amos, Isaiah, Jeremiah and Ezekiel, read. Additional readings provide some familiarity with the historical background and the prophet's career and message, and address general questions concerning prophecy as a phenomenon.

Note: Offered jointly with the Divinity School as 1450.

Ancient Near East 120. Introduction to the Hebrew Scriptures

Catalog Number: 6544

Michael D. Coogan

Half course (fall term). F., 9–11.

A survey of the Hebrew Scriptures as viewed in their historical and cultural setting in the ancient Near East and as interpreted by modern scholarship, with attention to this literature as an expression of the religious thought of Israel and one of the formative influences on Western civilization.

Note: Offered jointly with the Divinity School as 1101.

[Ancient Near East 122. Biblical Interpretation]

Catalog Number: 4289

Paul D. Hanson (Divinity School)

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2005–06. Offered jointly with the Divinity School as 1413.

Prerequisite: Ancient Near East 120 or equivalent.

[Ancient Near East 124. Myth and Myth-Making in the Biblical and Ancient Near Eastern World]

Catalog Number: 7859

Peter Machinist

Half course (fall term). Hours to be arranged.

An exploration of the nature and function of myth in the context of the ancient Near East. The course focuses on selected mythic texts from various Near Eastern cultures and consider them in the light of general approaches to myth developed in Western scholarship. Particular attention is given to the issue of myth in the Hebrew Bible.

Note: Expected to be given in 2005–06. Offered jointly with the Divinity School as 1128/3410.

Ancient Near East 126. History of the Religion of Israel

Catalog Number: 1672

Peter Machinist

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

The study of ancient Israelite religion and culture in comparative historical context. Topics examined include conceptions of divinity, prophecy, law, kingship, and cult. Through such topics the aim is to see how Israel related to other cultures of the ancient Near East and, thus, of what value the study of the other cultures has in understanding the character of Israelite religion itself.

Note: Offered jointly with the Divinity School as 1110.



[Ancient Near East 128. Jewish Apocalypticism]

Catalog Number: 8249

Paul D. Hanson (Divinity School)

Half course (fall term). Hours to be arranged.

A study of Jewish apocalyptic movements from their roots in late biblical prophecy to their flowering in Hellenistic and Roman times. Attention will be paid to the biblical and extra-biblical traditions incorporated in these texts and woven into messages addressing crises such as persecution and forced assimilation. The manner in which books like Daniel and Revelation are used by contemporary apocalyptic movements will be assessed.

Note: Expected to be given in 2004–05. Texts read in English translation. Offered jointly with the Divinity School as 1460.

Prerequisite: Ancient Near East 120 or the equivalent.

[Ancient Near East 130. Jewish Wisdom Literature]

Catalog Number: 8730

Jon D. Levenson (Divinity School)

Half course (spring term). Hours to be arranged.

A discussion of books like Proverbs, Job, Qohelet, Esther, Ben Sira, Wisdom of Solomon, and Fourth Maccabees in their cultural context, with an emphasis on literary, theological, and moral issues.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 1669.

Prerequisite: Ancient Near East 120 or the equivalent.

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 (fall 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 2005–06. Offered jointly with the Divinity School as 1150/2470.

Prerequisite: Ancient Near East 120 or equivalent.

Ancient Near East 141. Akkadian Myths and Epics

Catalog Number: 7618

Peter Machinist

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examination of selected Assyrian and Babylonian epics from the latter second and first millennia B.C.

Prerequisite: Solid knowledge of Akkadian language required.

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 2004–05. Offered jointly with the Divinity School as 1819.

Prerequisite: At least two years of Hebrew and one year of Greek; some knowledge of Aramaic, Latin, and Syriac is beneficial but not required.

[*Ancient Near East 215r. Problems in the Archaeology of Bronze and Iron Age Levant: Seminar]

Catalog Number: 2960

Lawrence E. Stager

Half course (fall term). 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 222 (formerly 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). W., 3–5. EXAM GROUP: 8, 9

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: A background in the study of the Hebrew Bible. Also, Biblical Hebrew and at least one of the following: French, German, or Modern Hebrew.

Cross-listed Courses

[Classical Archaeology 136. Archaeology of the Aegean Bronze Age](#)

[Classical Archaeology 256. Greeks and Persians](#)

[*Freshman Seminar 33j. Greece and the East](#)

[*Freshman Seminar 35y. Visible Language: Scripts and Writing Systems](#)

[Historical Study B-01. The Intellectual Traditions of the Ancient Near East]

[History of Art and Architecture 13h. Foundations of Early Civilization: An Introduction to the Art of Ancient Mesopotamia]

[History of Art and Architecture 135v. The Architecture of Temples in Ancient Egypt](#)

[History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar]

[*History of Art and Architecture 234v. The Art and Archaeology of Egyptian Avaris, Capital of the Hyksos](#)

[Literature and Arts A-53. "Athens and Jerusalem": Self and Other in Classical Greek and Hebrew Literature](#)

[Literature and Arts A-70. The Book of Job and the Joban Tradition]

[Literature and Arts C-37. The Bible and Its Interpreters]

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 (on leave spring term)

***Ancient Near East 320. Reading and Research in Ancient Mesopotamian Civilization**

Catalog Number: 5678

Piotr Steinkeller 7337, John Huehnergard 7697, and Peter Machinist 2812

***Ancient Near East 330. Reading and Research in Biblical Studies**

Catalog Number: 1524

J. F. Coakley 3409, Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812, and Lawrence E. Stager 1468 (on leave spring term)

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 (fall term). M., 2–4. EXAM GROUP: 7, 8

A study of significant Jewish thinkers in the modern period and their reflections on the past and present meaning of Judaism. All thinkers studied against the background of premodern Jewish thought and the challenges posed by modern Western philosophical systems.

Note: Offered jointly with the Divinity School as 3682.

Jewish Studies 113. Self and Society in Jewish Literature

Catalog Number: 9679

Avi Matalon

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

How does an individual negotiate private desires and public expectations? What are the boundaries between individuality and collectivity? The course offers a survey of literature in translation. Discussions center on representations of the individual's relationships with collective forces such as nationality, religion, sexuality, and tradition.

Note: Readings and discussions in English. An additional hour may be set aside for reading the originals.

[Jewish Studies 122. Introduction to Rabbinic Literature]

Catalog Number: 2656

Shaye J.D. Cohen

Half course (spring term). Hours to be arranged.

An introduction to the rabbinic literature of antiquity, focusing on the Mishnah and the Babylonian Talmud, their historical background, rhetorical patterns, and dominant ideas.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3645. Open to all. No knowledge of Hebrew or familiarity with Judaism presumed. All texts read in translation.

[Jewish Studies 123. Jews and Greeks, Judaism and Hellenism]

Catalog Number: 3408

Shaye J.D. Cohen

Half course (spring term). Hours to be arranged.

A study of the encounter between Judaism and Hellenism in antiquity, from the Hasmonean revolt until the emergence of Rabbinic Judaism. Focuses on the land of Israel but some attention, for purposes of contrast, is also paid to the diaspora. Themes: definitions of “Judaism” and “Hellenism,” religious and philosophical resistance and accommodation, knowledge of Greek, literary forms, the “common culture” of Hellenistic near east, art, and architecture.

Note: Expected to be given in 2005–06. Knowledge of ancient Greek and Hebrew is occasionally useful, but not required. Offered jointly with the Divinity School as 1461.

Jewish Studies 124 (formerly Hebrew 179). Circumcision and Jewish Identity

Catalog Number: 0226

Shaye J.D. Cohen

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

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 jointly with the Divinity School as 3642. A knowledge of Hebrew is occasionally useful, but is required. All texts read in translation.

Jewish Studies 125 (formerly History 1091). Jewish History in the Second and Post-Temple Period

Catalog Number: 6035

Shaye J.D. Cohen

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A survey of Jewish history in antiquity from the Persian period (5th century BCE) to the Byzantine period (5th century CE). Topics include: political accommodation and resistance; Hellenism; the Hasmoneans and Herod the Great; the effects of Roman rule; Pharisees, Qumran, Christians; unity and diversity; the destruction of the temple and its aftermath; the emergence of rabbinic Judaism; homeland and diaspora.

Note: Offered jointly with the Divinity School as 1462.

Jewish Studies 126. Jewish-Christian Encounter from Antiquity to the Present

Catalog Number: 5956

David Berger (Brooklyn College and the Graduate School, City University of New York)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Major themes in the religious relations between Jews and Christians: Jesus, Jewish law, and the “true Israel”; controversies about the Hebrew Bible, Christian doctrines, the Talmud, and the Gospels; Christian belief and “antisemitism” in medieval and modern times; transformations in Jewish perceptions of Christianity and Christian perceptions of Judaism; the Church and the Holocaust; the second Vatican Council, interfaith dialogue, and tensions over Zionism and Israel.

Note: Offered jointly with the Divinity School as 3640.

Jewish Studies 130. A History of the Modern State of Israel

Catalog Number: 0840

Efraim Karsh (University of London)

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Beginning with a short introduction into pre-Zionist Jewish history, the course examines the development of Zionism from its origins to the declaration of the State of Israel; explores the major political, social, and cultural developments within Israel, as well as its relations with the outside world; and discusses the ongoing battle over the Jewish state’s future identity.

Jewish Studies 131. Israeli Foreign and Defense Policies

Catalog Number: 2977

Efraim Karsh (University of London)

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Examines Israel’s experience in foreign affairs in its first fifty-three years of existence and its ceaseless quest for survival and security: its relations with the Arab world and the wider international community; its role in the Cold War era; and the challenges of the New World Order.



Cross-listed Courses

[Comparative Literature 156. The Literature of Destruction]

[Comparative Literature 166. The Comic Tradition in Jewish Culture]

Foreign Cultures 56. Jewish Life in Eastern Europe

***Freshman Seminar 32j. Who Is a Jew? Jewish Identity and Identifiability in the Modern World**

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. Modern Jewish Literature

[Religion 1212a. Judaism: The Liturgical Year]

[Religion 1212b. Judaism: The Liturgical Year]

Religion 1260. Midrash: Jewish Biblical Interpretation in the Rabbinic Period

Primarily for Graduates

***Jewish Studies 200r. Guided Readings in Jewish History**

Catalog Number: 4478

Jay M. Harris

Half course (fall term; repeated spring term). Hours to be arranged.

[Jewish Studies 205. Jewish Humanism in the Early Modern World]

Catalog Number: 9697

Avi Matalon

Half course (spring term). Hours to be arranged.

Examines creative responses to historical developments such as the invention of printing, the Renaissance, the Spanish expulsion and the Age of Discovery. Reading and discussion of poetry, drama, geography, history, mystical narratives, and literary translations.

Note: Expected to be given in 2004–05.

[Jewish Studies 210. From Pharisees to Rabbis: Seminar]

Catalog Number: 1785

Shaye J.D. Cohen

Half course (fall term). Hours to be arranged.

Explores the connections between the Pharisees of the Second Temple period and the Rabbis of the Mishnah. We study the historical traditions about the Pharisees (Josephus, New Testament, rabbinic materials, perhaps Qumran) and about the “reconstruction” of Judaism at Yavneh.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3910.

Prerequisite: Ability to read New Testament Greek *or* the ability to read Mishnaic Hebrew, preferably both.

Graduate Courses of Reading and Research



***Jewish Studies 300. Reading and Research in Postbiblical Jewish Studies**

Catalog Number: 1544

Shaye J.D. Cohen 4180, Jay M. Harris 2266, Bernard Septimus 7160, and Ruth R. Wisse 3177

Early Iranian Civilizations

For Undergraduates and Graduates

See also below under Arabic, Aramaic, and Iranian.

Early Iranian Civilizations 102. Old Iranian Religion

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 Muslim 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 practice is traced against the background of an encompassing Islamic culture. Topics include theories about Islam and urbanism, the city as sacred space, modernism and the making of the colonial city, the contemporary city and the literary imagination, and the city in the age of globalization.

[Islamic Civilizations 122. The Maghrib in the Modern World]

Catalog Number: 5752

Susan G. Miller

Half course (fall term). Hours to be arranged.

A survey of North African history in the nineteenth and twentieth centuries, focusing on the transformations brought about through contact with the West. Historical antecedents, the rise of



the technocratic state, colonialism and its impact, social conflict and civil war, the growth of religious feeling and ethnic identification, women in politics and society, changes in intellectual life, and the Maghribi state in the global economy are among the topics explored.

Note: Expected to be given in 2004–05.

[Islamic Civilizations 124. Central Asian Culture and Society]

Catalog Number: 3927 Enrollment: Limited to 20.

John S. Schoeberlein

Half course (fall term). Hours to be arranged.

Explores the diversity and continuity in contemporary Central Asian culture and society and their historical roots. Course readings draw on diverse sources from travelers' and ethnographic accounts to indigenous traditions and Western analyses. Topics include principles of social order and cultural values stemming from nomadic traditions, Islamic civilizations, nationalist movements and the Soviet system. Particular attention is devoted to post-Soviet developments and the challenges of social transformation and potential conflict facing the region.

Note: Expected to be given in 2004–05. Primarily for advanced undergraduates and graduate students; some background in the Near East and/or the former Soviet Union is desirable.

Islamic Civilizations 125. History and Culture of Islamic Peoples of the Former Soviet Union

Catalog Number: 0646 Enrollment: Limited to 20.

Laura L. Adams and John S. Schoeberlein

Half course (spring term). M., 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 cultures falling under Russian dominion which are culturally more akin to Asia and the Islamic Middle East than to Europe, including Central Asia, the Caucasus, and southern Russia. Themes include the background of Iranian, Turkic and Islamic culture, problems of induced cultural change, Soviet social transformation, the institutionalization of national identities.

Note: Primarily for graduates and advanced undergraduates; some background in the Near East and/or the Soviet Union is desirable.

[Islamic Civilizations 145. Islamic Philosophy and Theology]

Catalog Number: 0292

Robert Wisnovsky

Half course (fall term). Hours to be arranged.

An introduction to the most important philosophical and theological problems in Islamic intellectual history. Debates within and between Arabic Aristotelian and Neoplatonic philosophy (*falsafa*) and Islamic doctrinal theology (*kalâm*) are examined in detail. These concern topics such as the Qur'an's createdness, God's causation of human acts, the primacy of human reason, the world's eternity, and the survival of individual human souls. The impact of European thought on 19th- and 20th-century Islamic intellectual history also examined.

Note: Expected to be given in 2004–05. Knowledge of Arabic, Islam, and ancient philosophy helpful, but not required. Offered jointly with the Divinity School as 3602.



Islamic Civilizations 160. The Meanings of Islam in Central Asia

Catalog Number: 8678 Enrollment: Limited to 20.

John S. Schoeberlein

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Examines 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. The course considers ways that regions' position on transcontinental trade routes and desert-oasis borderlands have led to particular expressions of processes that are common to the Islamic world, and looks at the process of modernization and the role of Islam in the sphere of Russian domination.

Prerequisite: Some background in Central Asia and/or Islamic civilizations.

[Islamic Civilizations 161. Cultures of Domination in Central Asia]

Catalog Number: 9924 Enrollment: Limited to 20.

John S. Schoeberlein

Half course (spring term). Hours to be arranged.

Under centuries of conquest and domination from mediaeval imperial expansions to today's authoritarian leaders, Central Asians have worked out the relationship between the population and its rulers through Turko-Mongol, Iranian, Russian, Soviet, nationalist, and Islamist concepts of loyalty, legitimacy, just rule and justified opposition. Central Asian case materials are drawn from historical texts, literature, the social sciences, and the experience of contemporary life, examined in light of relevant social/cultural theory.

Note: Expected to be given in 2004–05. Primarily for graduates and advanced undergraduates; some background in the Near East and/or Central Eurasia is desirable.

Primarily for Graduates

***Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian Islam**

Catalog Number: 7515

Ali S. Asani

Half course (fall term; repeated spring term). Hours to be arranged.

A seminar for graduate students focusing on current scholarship on Islamic civilization in South Asia.

Note: Open to undergraduates with a background in Islamic or South Asian studies.

Prerequisite: Introductory coursework on Islam, Religion 1585 or equivalent.

Cross-listed Courses

Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies

[Foreign Cultures 82. Modern Arabic Narratives: Self, Society, and Culture]

Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions

[History 1877a. History of the Near East, 600-1055: Conference Course]

[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]

History 2884. Topics in Ottoman Social and Cultural History: Seminar

[History 2886r. Topics in Islamic History: Seminar]

History of Art and Architecture 124z. Architecture and Dynastic Legitimacy: The Early Modern Islamic Empires (1450-1650)

[History of Art and Architecture 128. Topics in Arabic Art and Culture: Proseminar]

History of Art and Architecture 184x. Painting of India

History of Art and Architecture 221. Visual Encounters: Artistic Relations Between Europe and the Islamic World

[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**

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 (on leave spring term), Wolfhart P. Heinrichs 4988, Wheeler M. Thackston, Jr. 4004, and Robert Wisnovsky 2229 (on leave 2003-04)

***Islamic Civilizations 350. Reading and Research in Ottoman History and Literature**

Catalog Number: 4084

Sinasi Tekin 2353

Armenian Studies

See also below under Armenian.

Primarily for Graduates

Armenian Studies 200r. Guided Readings in Armenian Studies

Catalog Number: 8105

James R. Russell

Half course (fall term). Hours to be arranged.

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 Neo-Assyrian cuneiform signs.

Akkadian 120. Intermediate Akkadian

Catalog Number: 3724

Paul-Alain Beaulieu

Full course (indivisible). M., W., F., at 11. EXAM GROUP: 4

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., 1–4. EXAM GROUP: 6, 7, 8

Readings from the various genres of Akkadian hymns and prayers, with particular emphasis on the genre of *shuilla* prayers. In the course of the term, students are expected to master the style and vocabulary of these texts, as well as to learn how to reconstruct a text from several manuscripts.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 144. Akkadian Divination Texts]

Catalog Number: 6734

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2004–05.

Akkadian 149. Akkadian Legal and Economic Texts

Catalog Number: 6703

Piotr Steinkeller

Half course (fall term). Th., 1–4. EXAM GROUP: 15, 16

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). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

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.

Note: Expected to be given in 2005–06.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of a cuneiform script.

[Akkadian 153. Old Akkadian]

Catalog Number: 8334

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Readings in representative historical, epistolary, literary, and economic texts with emphasis on the grammar.

Note: Expected to be given in 2005–06.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

Akkadian 154a. Peripheral Akkadian

Catalog Number: 2416

Piotr Steinkeller

Half course (spring term). Th., 1–4. EXAM GROUP: 15, 16

Prerequisite: Two full courses in Akkadian.

[Akkadian 155r. Akkadian Historical Grammar and Dialectology]

Catalog Number: 0232

John Huehnergard

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2004–05.

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.



Graduate Courses of Reading and Research

***Akkadian 300. Akkadian Language and Literature**

Catalog Number: 2233

Paul-Alain Beaulieu 3708, John Huehnergard 7697, Peter Machinist 2812, and Piotr Steinkeller 7337

Sumerian

For Undergraduates and Graduates

Sumerian A. Elementary Sumerian

Catalog Number: 5260

Piotr Steinkeller

Full course (indivisible). Tu., Th., at 11. EXAM GROUP: 13

Introduction to the Sumerian language with emphasis on grammatical structure.

[Sumerian 120. Intermediate Sumerian]

Catalog Number: 7399

Piotr Steinkeller

Full course (indivisible). Hours to be arranged.

Note: Expected to be given in 2005–06.

Prerequisite: Knowledge of basic Sumerian grammar, vocabulary, and cuneiform script.

Sumerian 146. Sumerian Religious Literature

Catalog Number: 2605

Piotr Steinkeller

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16

[Sumerian 149. Sumerian Legal and Economic Texts]

Catalog Number: 8820

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2004–05.

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

May Farhat and Mostafa Atamnia

Full course (indivisible). Sections M. through F., at 9 or 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.

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 110b. Colloquial Levantine Arabic II

Catalog Number: 2631

Wheeler M. Thackston, Jr.

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Continuation of Arabic 110a.

Arabic 120a. Intermediate Classical Arabic

Catalog Number: 1106

Ahmed H. al-Rahim

Half course (fall term). M. through F., at 10. EXAM GROUP: 3, 12

A thorough review of classical Arabic grammar with emphasis on reading and writing, with some discussion in Arabic in class for vocabulary and structure reinforcement. Readings focus on medieval Arabic historiography: biographical dictionaries, chronicles, and geography/"travel" literature. Contemporary texts dealing with "classical" themes will form part of the syllabus to



help students develop better reading fluency.

Prerequisite: Arabic A or equivalent.

Arabic 120b. Intermediate Classical Arabic

Catalog Number: 0597

Ahmed H. al-Rahim

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

Ahmed H. al-Rahim and Mostafa Atamnia

Half course (fall term). Section I: M., W., F., at 11; Section II: M., W., F., at 12; speaking sections Tu., Th., at 11, 12, or 1. EXAM GROUP: 4

A continuation of Elementary Arabic with equal emphasis on speaking, reading, oral and aural skills. Selections from contemporary Arabic media are introduced and serve as bases for reading and conversation.

Arabic 121b. Intermediate Modern Arabic

Catalog Number: 0685

Ahmed H. al-Rahim and Mostafa Atamnia

Half course (spring term). Sections I: M., W., F., at 11; Section II: M., W., F., at 12; speaking sections Tu., Th., at 11, 12, or 1. EXAM GROUP: 4, 13

A continuation of Arabic 121a.

Arabic 130a. Advanced Classical Arabic

Catalog Number: 4591

Ahmed H. al-Rahim

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Concentration on readings from classical Islamic texts, with emphasis on Qur'an, *hadîth*, *sîra*, and *tafsîr* literature; directed readings and textual analysis; review of classical Arabic morphology and syntax.

Arabic 130b. Advanced Classical Arabic

Catalog Number: 2964

Ahmed H. al-Rahim and assistant

Half course (spring term). Tu., Th., 12–1:30. EXAM GROUP: 14, 15

Continuation of Arabic 130a or may be taken separately with permission of the instructor.

Readings from corpus of “Adab” (Belles-Lettres) literature, as well as various pieces of classical Arabic poetry.

Arabic 131a. Advanced Modern Arabic

Catalog Number: 0739

William E. Granara and assistant

Half course (fall term). Section I & II: M., W., F., at 1, speaking sections at 12 or 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

William E. Granara and assistant

Half course (spring term). Section I & II: M., W., F., at 1, speaking sections Tu., Th., at 1 or 2.

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). Hours to be arranged.

Introduction to and selected readings from the Qur'an and Arabic exegesis.

Prerequisite: Arabic 120b or equivalent.

[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 2005–06.

Prerequisite: Elementary knowledge of Arabic.

[Arabic 146r. History of the Arabic Languages]

Catalog Number: 8526

Wolfgang 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 2004–05.

Prerequisite: Two years of Arabic or equivalent.

Arabic 150r. History of Classical Arabic Literature

Catalog Number: 7759

Wolfgang P. Heinrichs

Half course (spring term). W., 4–6. EXAM GROUP: 9

Overview of Classical Arabic literature, including reading and discussion of selected texts.

Note: Knowledge of Arabic advantageous. An additional hour may be set aside for reading in the originals.



Arabic 156. East-West Encounters in Modern Arabic Literature: Seminar

Catalog Number: 0521

Samar Attar

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Explores a variety of texts, novels, short stories, and autobiographies that treat the theme of Arabs' perceptions of Europeans through the process of travel. Includes readings and discussions on identity politics, gender, colonial and post-colonial theories, and Orientalism.

Note: Knowledge of Arabic is advantageous, but not required. Open to all.

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 *'ulûm al-lugha* (fall) and *'ulûm al-din* (spring).

Note: This constitutes the fourth and final year of the Classical Arabic track.

Arabic 241a. Modern Arabic Literature and Culture

Catalog Number: 3309

William E. Granara

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This constitutes the final year of Modern Arabic track. Representative readings from contemporary literature and culture will form bases of discussions on major themes in contemporary Arab society.

Note: Conducted in Arabic.

Prerequisite: Advanced proficiency in Arabic.

Arabic 241b. Modern Arabic Literature and Culture

Catalog Number: 6399

William E. Granara

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A continuation of Arabic 241a.

[Arabic 242. Selected Topics in Modern Arabic Literature and Literary Criticism: Seminar]

Catalog Number: 1913

William E. Granara

Half course (fall term). Hours to be arranged.

Topic for 2004-05: To be announced.

Note: Expected to be given in 2004–05.

Arabic 245r. Classical Arabic Literature: Seminar

Catalog Number: 4854



Wolfgang P. Heinrichs

Half course (fall term). W., 4–6. EXAM GROUP: 9

Topic for 2003-04: The notion of *sariqa*, literary "theft," in criticism and theory: plagiarism, borrowing, imitation, quotation, intertextuality. Importance of the *sariqa* literature for the analysis of poetry.

Prerequisite: Reading knowledge of Arabic.

[Arabic 246r. Maghribi Literary and Cultural Texts: Seminar]

Catalog Number: 6196

William E. Granara

Half course (spring term). Hours to be arranged.

Literary and historical texts of the Arabo-Islamic cultures of Spain (*al-Andalus*), Sicily, and North Africa, including poetry, belles-lettres (*adab*), biography, travel literature, and chronicles. Examines the emergence of a "Maghribi" identity amidst cross-cultural relations with the Christian North and the Muslim East.

Note: Expected to be given in 2004–05.

Prerequisite: Three years of Arabic, or permission from the instructor.

[Arabic 248r. Medieval Arabic Writings on Grammar: Seminar]

Catalog Number: 1440

Wolfgang 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 2004–05.

Prerequisite: Reading knowledge of Arabic.

[*Arabic 249r. Arabic Philosophical Texts: Seminar]

Catalog Number: 3572

Robert Wisnovsky

Half course (spring term). Hours to be arranged.

Selected readings from *falsafa* literature.

Note: Expected to be given in 2004–05.

Prerequisite: Three years of Arabic or equivalent.

[Arabic 250r. Arabic Theological Texts: Seminar]

Catalog Number: 7849

Robert Wisnovsky

Half course (spring term). Hours to be arranged.

Selected readings from *kalâm* and other types of theological literature.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3883.

Prerequisite: Three years of Arabic or equivalent.

Arabic 255. Texts in Islamic Theology and Law

Catalog Number: 3467

Aron Zysow



Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An examination of a number of theological issues and their relationship to Islamic law. Among these issues are rationalist ethics, the createdness of the Qur'an, the infallibility of the Prophet and imams, and the standards for cogent reasoning. Texts by both Sunni and Shi'i authors in a variety of disciplines including *kalam*, *usul* and *furu' al-fiqh*, and *tafsir* will be read.

Note: Offered jointly with the Divinity School as 3600.

Prerequisite: Basic familiarity with Islamic theology and law and three years of Arabic or equivalent.

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 (on leave spring term), Wolfhart P. Heinrichs 4988, Roy Mottahedeh 1454 (on leave spring term), Wheeler M. Thackston, Jr. 4004, and Robert Wisnovsky 2229 (on leave 2003-04)

***Arabic 320. Reading and Research in Modern Arabic Literature and Literary Criticism**

Catalog Number: 9167

William E. Granara 1054 (on leave spring term)

Aramaic

For Undergraduates and Graduates

See also Ancient Near East and Biblical Studies, Jewish Studies, and Early Iranian Civilizations.

[Aramaic A. Introduction to Targumic Aramaic]

Catalog Number: 5985

John Huehnergard

Half course (fall term). Hours to be arranged.

An introduction to the grammar of the Aramaic of Targum Onqelos.

Note: Expected to be given in 2004–05. No previous knowledge of any Semitic language is assumed.

Aramaic C. Elementary Syriac

Catalog Number: 3494

J. F. Coakley

Full course (indivisible). M., W., F., at 10. EXAM GROUP: 3

Basic Syriac grammar and syntax, with selected readings from the Syriac Bible and other early texts.

[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 2004–05.

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 2004–05.

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, Jo Ann Hackett 2389, Wolfhart P. Heinrichs 4988 (spring term only), and Jon D. Levenson (Divinity School) 2264

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.

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). Tu., Th., at 12. EXAM GROUP: 14

Ethiopic 120ar. Readings in Classical Ethiopic (Ge'ez) Texts I

Catalog Number: 0231



John Huehnergard
Half course (fall term). Hours to be arranged.
Prerequisite: Ethiopic A.

Ethiopic 120br. Readings in Classical Ethiopic (Ge'ez) Texts II

Catalog Number: 0390
John Huehnergard
Half course (spring term). Hours to be arranged.
Prerequisite: Ethiopic A.

Graduate Courses of Reading and Research

***Ethiopic 300. Ethiopian Semitic Language and Literature**

Catalog Number: 5135
John Huehnergard 7697

Hebrew

See also Ancient Near East and Biblical Studies and Jewish Studies.

Language Courses

For Undergraduates and Graduates

Classical Hebrew A. Elementary Classical Hebrew

Catalog Number: 8125
Jo Ann Hackett
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 term 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
Jo Ann Hackett and assistant
Half course (fall term). M., W., F., at 2. EXAM GROUP: 7
Readings in prose books; review of grammar.
Note: Offered jointly with the Divinity School as 4020.
Prerequisite: Classical Hebrew A or equivalent.

Classical Hebrew 120b. Intermediate Classical Hebrew II

Catalog Number: 8494
Jo Ann Hackett and assistant



Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Readings in prose and poetic books; review of grammar.

Note: Offered jointly with the Divinity School as 4021.

Prerequisite: Classical Hebrew 120a or equivalent.

Classical Hebrew 130ar. Rapid Reading (Classical Hebrew) I

Catalog Number: 7895

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

Jo Ann Hackett

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 (spring term). Hours to be arranged.

Note: Expected to be given in 2004–05.

Prerequisite: Classical Hebrew 130, or equivalent.

Modern Hebrew B. Elementary Modern Hebrew

Catalog Number: 4810

Miri Kubovy (fall term), Irit Aharony, Anna Grinfeld, and Tami Marks (spring term)

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: 2, 11

For students with no previous instruction in Hebrew and for those who have had some unsystematic exposure to the language. Emphasis on developing skills necessary for fluent reading, speaking, and writing basic sentences in all tenses. Grammar is taught through the Israeli “Top 40.”

Modern Hebrew 120a. Intermediate Modern Hebrew I

Catalog Number: 1711

Irit Aharony and Anna Grinfeld

Half course (fall term). Section I: M. through F., at 10. Section II: M. through F., at 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.

Prerequisite: Modern Hebrew B or passing of special departmental placement test.



Modern Hebrew 120b. Intermediate Modern Hebrew II

Catalog Number: 2563

Irit Aharony and Anna Grinfeld

Half course (spring term). Section I: M. through F., at 10. Section II: M. through F., at 1. EXAM GROUP: 3, 12

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.

[Modern Hebrew 130r. Advanced Modern Hebrew: Contemporary Israeli Culture]

Catalog Number: 8127

Miri Kubovy

Half course (fall term). Hours to be arranged.

Continuation of Modern Hebrew 120b. 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: Expected to be given in 2004–05. Discussion, papers, and texts presented in Hebrew.

Prerequisite: Modern Hebrew 120a, 120b or equivalent.

Modern Hebrew 132r. Advanced Modern Hebrew: Grammar in the Media

Catalog Number: 8338

Anna Grinfeld

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

A high-level survey of Hebrew grammar for advanced students that focuses on syntax, morphology, vocabulary, idioms, and style. Most of the material used for the perfection of writing, reading, speaking, and oral understanding skills is taken from the most lively, changing field of the language, which reflects and shapes Israeli reality: the media. We concentrate on oral and written grammatical drills, processing and mastering daily press, periodicals, television, radio, and Internet.

Note: Conducted in Hebrew.

Modern Hebrew 134r. The Layers of Hebrew in Texts about Jerusalem

Catalog Number: 6949

Irit Aharony

Half course (spring term). M., 2–3:30 or 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 learn the characteristic components of all the periods of the Hebrew language in many kinds of texts. For the modern period, selections are taken from literature, the press, the media, and academic papers. The goal is to facilitate scholarly work and research in Hebrew.

Note: Conducted in Hebrew.

Prerequisite: Modern Hebrew 120a, 120b, or equivalent.



[Modern Hebrew 135r. How to Say “I Love You” in Hebrew]

Catalog Number: 1159

Irit Aharony

Half course (spring term). Hours to be arranged.

A survey of literary Hebrew texts about love from different periods and origins. This survey includes: Biblical love stories, the concept of love in the Midrash and Agadah through the literature of the Middle Ages, the New Hebrew Literature of the early 20th century, and today's literature. Differences between ancient Hebrew and Modern Hebrew are examined. The goal of the course is to improve reading, writing, and speaking skills for advanced Modern Hebrew students.

Note: Expected to be given in 2004–05. Conducted in Hebrew.

Prerequisite: Modern Hebrew 120a, 120b or the equivalent.

[Modern Hebrew 155. The Mamas and the Papas: Israeli Literature in Translation]

Catalog Number: 2250

Miri Kubovy

Half course (spring term). Hours to be arranged.

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, and films which represent major trends in Israeli social and cultural life. The main subjects include the Holocaust; feminism; Americanization; the departure from Zionist ideology; and the polarities between Arabs and Jews, Sephardi and Ashkenazi Jews, poor and rich, orthodox and secular, and right and left.

Note: Expected to be given in 2004–05. Conducted in English.

Primarily for Graduates

[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 2004–05.

Prerequisite: Classical Hebrew 130b and either Classical Hebrew 138 or Semitic Philology 140.

Literature and History Courses

For Undergraduates and Graduates

[Hebrew 150a. Introduction to Rabbinic Literature](#)

Catalog Number: 7629

Bernard Septimus

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

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). M., 4–6. EXAM GROUP: 9

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.

Note: No prior knowledge of Aramaic is assumed.

Prerequisite: Hebrew 150a or permission of the instructor.

[Hebrew 160. The Origins and Development of the Classical Jewish Liturgy]

Catalog Number: 9703

Bernard Septimus

Half course (spring term). Hours to be arranged.

An examination of current scholarship and controversy on the origins of the classical liturgy and a consideration of the primary-source evidence. Related topics include: rabbinic liturgy and Second Temple sources; differences between the ancient Palestinian and Babylonian rites; the standard prayers and the origins of liturgical poetry (*piyyut*); the crystallization of the liturgy; and the emergence of local variations in the early Middle Ages.

Note: Expected to be given in 2004–05.

Prerequisite: A good reading knowledge of Hebrew.

[Hebrew 165. Maimonides' Book of Knowledge and its Medieval Critics]

Catalog Number: 9792

Bernard Septimus

Half course (fall term). Hours to be arranged.

The interplay of law and philosophy in the first book of Maimonides' *Code*. Topics include: language, organization, legal theory, use of sources, theology, curricular ideals, historical thought, ethics, eschatology, the relationship of the *Book of Knowledge* to Maimonides' *Guide of the Perplexed*; repercussions of the *Book of Knowledge* in subsequent works and controversies.

Note: Expected to be given in 2004–05.

Prerequisite: A good reading knowledge of Hebrew.

Hebrew 168. Late Antique and Medieval Hebrew Poetry

Catalog Number: 2715

Bernard Septimus

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Close reading of selected classics of late-antique *piyyut* and of the Spanish “golden age.” In addition to literary analysis, focuses on: the relationship of early *piyyut* to the classical liturgy and to midrashic culture; the social and religious functions of Hispano-Hebrew poetry and its intellectual context.

Prerequisite: A good reading knowledge of Hebrew.



[Hebrew 171. The Problem of Language in Medieval Jewish Thought]

Catalog Number: 7205

Bernard Septimus

Half course (spring term). 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 2004–05.

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., 2–4. EXAM GROUP: 16, 17

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 184. Jewish Bible Commentary in the Modern Period]

Catalog Number: 5236

Jay M. Harris

Half course (spring term). Hours to be arranged.

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 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: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3688.

Hebrew 191. From Jewish Literature to Israeli Literature: Seminar

Catalog Number: 3376

Avi Matalon

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Examines the transition and development of Hebrew literature from Europe to Israel between the 1850s to the 1950s.

Prerequisite: Reading knowledge of Modern Hebrew required.

Cross-listed Courses

[Literature and Arts C-37. The Bible and Its Interpreters]

Primarily for Graduates



***Hebrew 200r. Problems in the Literature, History, and Religion of Israel: Seminar**

Catalog Number: 3265

Lawrence E. Stager and members of the Department

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Topic for 2003-04: Imaging the Deity.

Note: Primarily for doctoral students in Hebrew Bible. Offered jointly with the Divinity School as 1810.

[Hebrew 208r. Literature of Israel: Seminar]

Catalog Number: 1356

Peter Machinist

Half course (fall term). Hours to be arranged.

Topic for 2004-05: The beginnings of classical prophecy: Amos and Hosea.

Note: Expected to be given in 2004–05.

Prerequisite: Advanced reading knowledge of biblical Hebrew. Acquaintance with other relevant ancient and modern languages desirable.

[Hebrew 211r. Literature of Israel: Seminar]

Catalog Number: 0727 Enrollment: Limited to 10.

Paul D. Hanson (Divinity School)

Half course (spring term). Hours to be arranged.

Isaiah 40-66. Close exegetical study utilizing text-, literary-, form-, and redaction-criticism, with attention to the location of these chapters in their place in the development of Israelite religion. Hermeneutical and theological inquiry direct the historical study towards issues of contemporary meaning.

Note: Expected to be given in 2005–06. Offered jointly with the Divinity School as 1821.

Prerequisite: Advanced reading knowledge of biblical Hebrew.

[Hebrew 217. The Medieval Torah Commentary: A Practical Introduction: Seminar]

Catalog Number: 5883

Jon D. Levenson (Divinity School)

Half course (spring term). 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. 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 2005–06. Offered jointly with the Divinity School as 1836.

Prerequisite: Three years of college-level Hebrew (any period).

Hebrew 218. Joseph and Esther: Seminar

Catalog Number: 0880

Jon D. Levenson (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

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: Offered jointly with the Divinity School as 1802.

Prerequisite: Three years of Hebrew or the equivalent.

Hebrew 226r. Seminar in Jewish Studies

Catalog Number: 4663

Shaye J.D. Cohen

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

An overview of the methods, questions, and controversies in the field of Jewish Studies over the last two centuries. Topic for 2003-04: Mishnah Eduyot and the beginnings of the Mishnah, with special attention to the history of scholarship and issues of method.

Note: Required of all incoming graduate students in Jewish Studies. Open to qualified undergraduates with permission of the instructor.

Prerequisite: Facility in reading rabbinic Hebrew.

Hebrew 229. Composition of the Torah: Reasserting the Documentary Hypothesis: Seminar

Catalog Number: 0463 Enrollment: Limited to 20.

Baruch J. Schwartz (Divinity School)

Half course (spring term). Th., 10–12. EXAM GROUP: 12, 13

A study of selections from narrative portions of the Torah with the aim of illustrating the literary basis for the hypothesis that the Torah was created by merging four pre-existing sources into one continuous text.

Note: Offered jointly with the Divinity School as 1839.

Prerequisite: A good understanding of Biblical Hebrew and at least one introductory course in Hebrew Bible.

[Hebrew 230. Midrash: The Figure of Abraham: Seminar]

Catalog Number: 0203

Jon D. Levenson (Divinity School)

Half course (spring term). Hours to be arranged.

A close reading in Hebrew of some rabbinic midrashim centering on the figure of Abraham. Comparison with other primary sources about Abraham from Second Temple Judaism and the New Testament.

Note: Offered jointly with the Divinity School as 1803/3871. Instruction in English.

Prerequisite: Sound reading knowledge of Hebrew (any period).

Hebrew 231. Genesis 12-25: Seminar

Catalog Number: 1109

Jon D. Levenson (Divinity School)

Half course (spring 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.

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 232. The Jacob Cycle: Seminar]

Catalog Number: 4763

Jon D. Levenson (Divinity School)

Half course (fall term). Hours to be arranged.

A close critical reading of Genesis 25-36 in Hebrew. Emphasis on issues of literary design and theological perspective in the story of Jacob.

Note: Offered jointly with the Divinity School as 1811.

Prerequisite: An introductory course in critical biblical studies and three years of Hebrew or the equivalent.

[Hebrew 251. The Hebrew Poet as Translator]

Catalog Number: 9860

Avi Matalon

Half course (spring term). Hours to be arranged.

Is translation a problem or a solution in literary study? We examine the phenomenon of poets who are also notable translators. How do poet-translators negotiate the creativity expected of poetic expression with the faithfulness expected of translation? Focus on Modern Hebrew literature in context of World literature.

Note: Expected to be given in 2004–05. Readings primarily in Hebrew.

Hebrew 252. Printing, Enlightenment and Traditional Jewish Liturgy

Catalog Number: 8132

Jay M. Harris

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Traditional Jewish liturgy emerged over many centuries, with many local traditions. Over time, a more fixed text emerged, with supporters and detractors. Examines the roles of printing, enlightenment, and counter-enlightenment on the liturgical traditions of the Jews of Europe.

Graduate Courses of Reading and Research

***Hebrew 300. Classical Hebrew Language and Literature**

Catalog Number: 7831

Shaye J.D. Cohen 4180, Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394, John Huehnergard 7697, Peter Machinist 2812, and Lawrence E. Stager 1468 (on leave spring term)

***Hebrew 350. Postbiblical Hebrew Language and Literature**

Catalog Number: 4408

Shaye J.D. Cohen 4180 (spring term only), Jay M. Harris 2266, and Bernard Septimus 7160

Iranian

See also above under Near Eastern Civilizations; Early Iranian Civilizations; Islamic Civilizations; and below under Persian.

For Undergraduates and Graduates



Iranian A. Old Persian

Catalog Number: 5457

P. Oktor Skjaervo

Full course (indivisible). 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.

Iranian Ca. Middle Persian I

Catalog Number: 0978

P. Oktor Skjaervo

Half course (fall term). Hours to be arranged.

Introduction to Middle Persian (Pahlavi or Manichean Middle Persian/Parthian).

Iranian Cb. Middle Persian II

Catalog Number: 1696

P. Oktor Skjaervo

Half course (spring term). Hours to be arranged.

Readings in Middle Persian (Pahlavi or Manichean Middle Persian/Parthian).

[Iranian 142b. Avestan III]

Catalog Number: 6865

P. Oktor Skjaervo

Half course (fall term). Hours to be arranged.

Introduction to Old Avestan.

Prerequisite: Iranian B.

[Iranian 142c. Avestan IV]

Catalog Number: 1689

P. Oktor Skjaervo

Half course (spring term). Hours to be arranged.

Advanced Old Avestan.

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.

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.

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.

[\[Iranian 208r. Advanced Sogdian\]](#)

Catalog Number: 2457

P. Oktor Skjaervo

Half course (fall term). Hours to be arranged.

Advanced readings in Sogdian texts.

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; W., at 3. 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., 2–3:30. EXAM GROUP: 7, 8

A continuation of Persian 140ar.

[Persian 150r. Readings in Persian Historians, Geographers and Biographers]

Catalog Number: 6538

Roy Mottahedeh

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2005–06.

Graduate Courses of Reading and Research

***Persian 300. Persian Language and Literature**

Catalog Number: 6962

Wheeler M. Thackston, Jr. 4004 and Roy Mottahedeh 1454 (on leave spring term)

Semitic Philology

For Undergraduates and Graduates

Semitic Philology 140. Introduction to the Comparative Study of Semitic Languages

Catalog Number: 8602

John Huehnergard

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Prerequisite: Knowledge of two Semitic languages.



Semitic Philology 151. Introduction to Northwest Semitic Epigraphy

Catalog Number: 2858

Jo Ann Hackett

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

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 2004–05.

Prerequisite: Semitic Philology 140 or equivalent.

Primarily for Graduates

Semitic Philology 200r. Comparative Semitic Grammar: Seminar

Catalog Number: 0168

John Huehnergard

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Prerequisite: Classical Hebrew 138 or Semitic Philology 140 or equivalent.

Semitic Philology 220r. Northwest Semitic Epigraphy: Seminar

Catalog Number: 2948

Jo Ann Hackett

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Topic for 2003-04: Advanced study of Northwest Semitic texts.

Prerequisite: Semitic Philology 152.

Graduate Courses of Reading and Research

***Semitic Philology 300. Semitic and Afroasiatic Languages and Literatures**

Catalog Number: 2762

Jo Ann Hackett 2389, Wolfhart P. Heinrichs 4988, and John Huehnergard 7697

Swahili

See also above under Near Eastern Civilizations; Islamic Civilizations.

For Undergraduates and Graduates



Swahili A. Elementary Swahili

Catalog Number: 6439

Ali S. Asani (fall term) and John M. Mugane

Full course (indivisible). M., W., F., at 10. EXAM GROUP: 3

A study of the *lingua franca* of East Africa at the elementary level. Contact hours supplemented by language lab sessions. Emphasis on written expression, reading comprehension, and oral fluency.

Note: Not open to auditors.

Swahili 120ar. Readings in Swahili

Catalog Number: 5026

Ali S. Asani and assistant

Half course (fall term). Hours to be arranged.

Prerequisite: Swahili A or equivalent.

Swahili 120br. Readings in Swahili

Catalog Number: 4270

Ali S. Asani and assistant

Half course (spring term). Hours to be arranged.

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

Hakan T. Karateke

Full course (indivisible). M. through F., at 9. EXAM GROUP: 2, 11

Emphasis on all aspects of Turkish grammar toward developing a solid foundation for speaking, listening, reading, writing, and vocabulary skills.

Note: Not open to auditors.

Turkish 120a. Intermediate Turkish I

Catalog Number: 4009

Hakan T. Karateke

Half course (fall term). M., Tu., Th., F., at 10. EXAM GROUP: 3, 12

Emphasis on complex sentence structure and building communicative competence in describing events and expressing ideas through exercises in reading, writing, and speaking.

Note: Not open to auditors.

Prerequisite: Turkish A or equivalent.



Turkish 120b. Intermediate Turkish II

Catalog Number: 1394

Hakan T. Karateke

Half course (spring term). M., Tu., Th., F., at 10. EXAM GROUP: 3, 12

Studies in argumentative and literary prose.

Note: Not open to auditors.

Prerequisite: Turkish 120a or equivalent.

Turkish 121ab. Intensive Elementary Uzbek

Catalog Number: 3006

Wheeler M. Thackston, Jr. and assistant

Full course (spring term). Hours to be arranged; five 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 130a. Advanced Turkish I

Catalog Number: 6964

Hakan T. Karateke

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7

Gaining and improving advanced language skills in Modern Turkish through reading, writing, listening, and speaking with special emphasis on the proper usage of vocabulary and idiomatic expressions.

Note: Not open to auditors.

Prerequisite: Turkish 120b or equivalent.

Turkish 130b. Advanced Turkish II

Catalog Number: 4354

Hakan T. Karateke

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Studies in literary and idiomatic prose through readings, discussions, and writing of short analytical papers.

Note: Not open to auditors.

Prerequisite: Turkish 130a or equivalent.

Turkish 140a. Introduction to Ottoman Turkish I

Catalog Number: 8163

Sinasi Tekin

Half course (fall term). Tu., 1–4. EXAM GROUP: 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 or equivalent; one year of Arabic or Persian desirable.

Turkish 140b. Introduction to Ottoman Turkish II

Catalog Number: 8298



Sinasi Tekin

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16

Continuation of Turkish 140a.

Turkish 142a. Introduction to Ottoman Palaeography and Diplomatic Correspondence I

Catalog Number: 1551

Sinasi Tekin

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Calligraphic, orthographic, and stylistic characteristics of Ottoman legal and diplomatic correspondence through reading and analysis of primary sources.

Prerequisite: Turkish 140 or equivalent.

Turkish 142b. Introduction to Ottoman Palaeography and Diplomatic Correspondence II

Catalog Number: 9991

Sinasi Tekin

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Continuation of Turkish 142a.

Turkish 146a. Old Turkish I

Catalog Number: 3150

Sinasi Tekin

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7

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 146b. Old Turkish II

Catalog Number: 7957

Sinasi Tekin

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7

Continuation of Turkish 146a.

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 150. Introduction to the Sources for the Study of Ottoman Literature and History

Catalog Number: 1797

Hakan T. Karateke



Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Serves as an introduction to published and unpublished sources, and reference works on Ottoman Literature and History. A review of literature on various genres, such as chronicles, bibliographical works (*tezkere*), poems recounting military exploits (*gazavat-name*), travel accounts (*seyahat-name*), mirror of princes (*siyaset-name*), the commercial press, autobiographies and memoirs. An introduction to the libraries and archival resources for Ottoman Studies in Turkey, their catalogs and access included.

Note: Not open to auditors. Secondary literature in English, Turkish, German and French. Knowledge of Turkish is advantageous but not a prerequisite.

Primarily for Graduates

Turkish 240a. Readings in Ottoman Sources I

Catalog Number: 3475

Sinasi Tekin

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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.

Turkish 240b. Readings in Ottoman Sources II

Catalog Number: 5949

Sinasi Tekin

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Continuation of Turkish 240a.

Graduate Courses of Reading and Research

***Turkish 300. Turkish Languages and Literatures**

Catalog Number: 7702

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 (spring term). Hours to be arranged.

Topic for 2004-05: To be announced.

Note: Expected to be given in 2004–05.

Yiddish 103r. Modern Yiddish Literature II

Catalog Number: 8269

Ruth R. Wisse

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Topic for 2003-04: Whither? Destination in Modern Jewish Literature. How Hebrew and Yiddish writers of late 19th and 20th centuries variously develop themes of exile and search for homeland; relation between destination, genre, and language of composition. Includes works by Mendele Mocher Sforim, Sholem Aleichem, I. L. Peretz, M. Z. Feilerberg, Joseph Haim Brenner, David Bergelson, S. Y. Agnon, others; relevant works of critical theory.

Note: All works available in English translation. Extra sessions for those who can read Yiddish texts.

[Yiddish 105. Yiddish Language and Linguistic Theory]

Catalog Number: 7146

David Braun

Half course (spring term). Hours to be arranged.

Yiddish, spoken among Ashkenazic Jews 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. We look at a wide range of



Yiddish data and read and discuss some of the more recent analytical attempts to understand these phenomena.

Note: Expected to be given in 2004–05.

[Yiddish 108. American Jewish Literature: At the Center or the Margins?]

Catalog Number: 6058

Ruth R. Wisse

Half course (fall term). Hours to be arranged.

Studies the simultaneous emergence of American Jewish literature in English and Yiddish as a mediating force between Europe and America: socialism, aestheticism, feminism, and other ideologies; popular vs. high culture; interpretation of Yiddish and English; rise of the New York intellectuals.

Note: Expected to be given in 2004–05.

Prerequisite: Reading knowledge of Yiddish preferred.

[Yiddish 109. The Yiddish Novel Under Tsars and Stripes]

Catalog Number: 6009

Ruth R. Wisse

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

Prerequisite: Reading knowledge of Yiddish helpful, but all works are available in English translation.

Primarily for Graduates

Yiddish 200r. Modern Yiddish Literature: Seminar

Catalog Number: 4263

Ruth R. Wisse

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Topic for 2003-04: The literary worlds of Chaim Grade. Studies the poetry and fiction of Chaim Grade (1910-1982) against the background of literary communities in prewar Vilna, wartime Soviet Union, post-war Paris and New York. Close reading of his major works; interaction with contemporaries; inquiry into “historical” and “Holocaust literature”.

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.

Note: Expected to be given in 2004–05.

Prerequisite: Reading knowledge of Yiddish.

Graduate Courses of Reading and Research



***Yiddish 300. Yiddish Language and Literature**

Catalog Number: 7833

Ruth R. Wisse 3177

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*) (*on leave spring term*)

James J. McCarthy, Alexander Agassiz Professor of Biological Oceanography in the Museum of Comparative Zoology

Daniel P. Schrag, Professor of Earth and Planetary Sciences

Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics

Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science, Associate Dean of the Faculty of Arts and Sciences (*on leave 2004-05*)

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



Richard Moran, Brian D. Young Professor of Philosophy, Department Chair of Philosophy
(*Chair*)
Kit Fine, Visiting Professor of Philosophy, Visiting Scholar in Philosophy (*New York University*)
(*fall term only*)
Anthony S. Gillies, Assistant Professor of Philosophy
Peter Godfrey-Smith, Visiting Professor of Philosophy (*Australian National University*) (*spring term only*)
Warren Goldfarb, Walter Beverly Pearson Professor of Modern Mathematics and Mathematical Logic (*Head Tutor*)
Richard G. Heck, Jr., Professor of Philosophy
Frances Kamm, Professor of Philosophy (*FAS*) and Professor of Philosophy and Public Policy (*Kennedy School*)
Peter Koellner, Assistant Professor of Philosophy
Niko Kolodny, Assistant Professor of Philosophy
Christine M. Korsgaard, Arthur Kingsley Porter Professor of Philosophy (*on leave 2003-04*)
Michael G. Martin, Visiting Professor of Philosophy (*University of London*) (*spring term only*)
Véronique Munoz-Dardé, Visiting Associate Professor of Philosophy (*University of London*) (*spring term only*)
Derek Parfit, Visiting Professor of Philosophy (*All Souls College, Oxford*) (*spring term only*)
Charles D. Parsons, Edgar Pierce Professor of Philosophy
Donald P. Rutherford, Visiting Professor of Philosophy (*University of California, San Diego*)
Thomas M. Scanlon, Jr., Alford Professor of Natural Religion, Moral Philosophy, and Civil Polity
Amartya Sen, Lamont University Professor (*spring term only*)
Susanna Siegel, Assistant Professor of Philosophy
Alison Simmons, Professor of Philosophy (*on leave 2003-04*)
Gisela Striker, Walter C. Klein Professor of Philosophy and of the Classics (*Director of Graduate Studies*)
Raphael G. Woolf, Assistant Professor of Philosophy

Primarily for Undergraduates

Philosophy 3. Introduction to the Problems of Philosophy

Catalog Number: 1996

Anthony S. Gillies

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? If so, does that mean you have no free will?

Philosophy 7. Introduction to Ancient Philosophy

Catalog Number: 1583

Raphael G. Woolf

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13



A survey of some main themes and figures of ancient philosophical thought, concentrating on the Pre-Socratics, Plato and Aristotle. Topics include the nature of reality, the ways we might come to have knowledge, and the good life for human beings.

Philosophy 8. Introduction to the History of Early Modern Philosophy

Catalog Number: 8947

Donald P. Rutherford (University of California, San Diego)

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

A survey of 17th- and 18th-century philosophy with a focus on the major metaphysical and epistemological writings of Descartes, Locke, Hume, and Kant. Topics include the natures of mind and body, the physical world, freedom, and human knowledge. Special attention to the rise of mechanistic science (i.e. the “Scientific Revolution”).

Philosophy 16. Objectivity and Subjectivity in Ethics

Catalog Number: 7914

Niko Kolodny

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Are there any objective moral truths, which we might hope to find by reasoning? Some philosophers, as well as some strains of contemporary culture, answer “no” Our moral judgments, on this view, express only our feelings or our upbringing. What might support the view that there are no moral truths? How would accepting it affect what we think and do?

***Philosophy 97hf. Tutorial — Sophomore Year**

Catalog Number: 1669

Warren Goldfarb

Half course (throughout the year). Hours to be arranged.

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 32. Reason and Evaluation]

Moral Reasoning 33. Issues in Ethics

Moral Reasoning 56. Self, Freedom, and Existence

Moral Reasoning 66. Moral Reasoning about Social Protest

Quantitative Reasoning 22. Deductive Logic



For Undergraduates and Graduates

[Philosophy 101. Plato]

Catalog Number: 5374

Raphael G. Woolf

Half course (spring term). Hours to be arranged.

A critical examination of some central themes in Plato's philosophy, concentrating on the early and middle dialogues, with some consideration of later developments. Topics include the search for definitions, the theory of Forms, the nature of the soul, and the good life.

Note: Expected to be given in 2004–05.

Philosophy 102. Aristotle

Catalog Number: 8100

Raphael G. Woolf

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

A critical survey of some of the key areas of Aristotle's thought, examining a selection of his views on nature, substance, change, soul and mind, and the good life.

***Philosophy 108. Socrates: Proseminar**

Catalog Number: 7075

Raphael G. Woolf

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An exploration of one of the most vivid and influential figures in the history of philosophy. Through close reading of texts (mainly from Plato's early dialogues) we shall examine Socrates' views on philosophical method, knowledge, and the good life.

***Philosophy 119. History of Early Modern Ethics: Proseminar**

Catalog Number: 7790

Donald P. Rutherford (University of California, San Diego)

Half course (fall term). Hours to be arranged.

A study of major developments in 17th-century ethical theory (natural law theory, hedonism, perfectionism), with an emphasis on the revival of Stoic and Epicurean doctrines. Readings from Grotius, Hobbes, Pufendorf, Gassendi, Descartes, and Cudworth.

Philosophy 120. The Rationalists

Catalog Number: 2512

Donald P. Rutherford (University of California, San Diego)

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

A study of the major writings of Descartes, Malebranche, Spinoza, and Leibniz, focusing on such topics as substance, causation and explanation, God, the natures of and relation between mind and body, and human cognition.

[Philosophy 122. British Empiricism]

Catalog Number: 9025

Alison Simmons

Half course (fall term). Hours to be arranged.



A study of the central works of Locke, Berkeley, and Hume with primary emphasis on their contributions to metaphysics and epistemology.

Note: Expected to be given in 2004–05.

Philosophy 129. Kant's Critique of Pure Reason

Catalog Number: 0614

Charles D. Parsons

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Aims at a general understanding of the first *Critique* as a whole. An examination of the work's central metaphysical and epistemological doctrines, with attention to its historical context.

Prerequisite: Philosophy 8 strongly recommended.

Philosophy 137. The Later Philosophy of Wittgenstein

Catalog Number: 3360

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 143. Set Theory

Catalog Number: 8405

Peter Koellner

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

An introduction to set theory, covering fundamental notions and results of the standard system of set theory (ZFC), Goedel's constructible universe, Cohen's method of forcing, and extensions of ZFC that settle some problems not decidable within it. The course is suitable for both graduate students and undergraduate students with background in logic or mathematics.

Philosophy 144. Logic and Philosophy

Catalog Number: 1111

Peter Koellner

Half course (spring term). M., W., (F.), at 10; 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 145. Realism and Anti-Realism

Catalog Number: 6609

Richard G. Heck, Jr.

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

One sort of familiar metaphysical question concerns the mind-independence of various facets of



reality. We will discuss how best to understand this sort of question and consider recent approaches to it. Our focus will be on ways of understanding the question in terms of the notion of truth. Readings will come from such authors as Davidson, Dummett, Putnam, Lewis, and Wright.

Philosophy 147. Philosophy of Language: Meaning and Communication

Catalog Number: 8887

Richard G. Heck, Jr.

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Language is used for communication. In part, this is because words mean things and because we understand them. What is it to understand what someone says? What is it for words to mean what they do? How do we know what our words mean? And how does this knowledge enable us to use language as we do? Readings taken from Davidson, Dummett, Evans, Grice, Higginbotham, Putnam, Soames, Strawson, Wright, and others.

[Philosophy 148. Philosophy of Mathematics]

Catalog Number: 8341

Charles D. Parsons

Half course (spring term). Hours to be arranged.

Philosophical issues concerning mathematics, such as: its degree of certainty and necessity, its apparently *a priori* character, the existence and “nature” of basic mathematical objects (numbers, sets), the relation of mathematics and logic, whether classical logic can be called into question.

Note: Expected to be given in 2004–05.

Prerequisite: Quantitative Reasoning 22 or the equivalent or some background in mathematics.

Philosophy 149z. Philosophy of Science

Catalog Number: 4473

Peter Godfrey-Smith (Australian National University)

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Survey of 20th century views on the nature of scientific knowledge. Topics include: logical empiricism, Popper and “falsifiability,” induction and confirmation and their paradoxes, models of explanation, scientific realism, Kuhn, Lakatos, Feyerabend, and the relations between philosophy, history and sociology of science.

Philosophy 150. Foundations of Space-Time Theory

Catalog Number: 2834

Peter Koellner

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

An introduction to the philosophical foundations of space-time theories. Geometric approach covering both flat space-time (Aristotelian, Newtonian, Minkowskian) and curved space-time (General Relativity). Discusses underdetermination, observationally indistinguishable space-times, time travel, and conventionalism (simultaneity and geometry). No technical background required.

Philosophy 156x. Philosophy of Mind: Mental Phenomena

Catalog Number: 2779



Michael G. Martin (University of London)

Half course (spring term). M., W., (F.), at 1; W., at 3; W., at 5. EXAM GROUP: 6

An introductory course focusing on the development of the subject in the 20th century. Approaches to the mind-body problem and proposed solutions to it including dualism, behaviorism, type- and token-identity theories, and functionalism. Attention to how these theories bear on problems about consciousness, the representation by the mind of things in the world, and the causation of intentional action. Readings include texts by Armstrong, Block, Descartes, Lewis, Putnam, Shoemaker, and many others.

***Philosophy 158a. Mind, Brain, and Behavior: Proseminar**

Catalog Number: 8462 Enrollment: Limited to 15.

Susanna Siegel

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Topics in the philosophical study of Mind, Brain, and Behavior.

Note: No auditors. Preference given to junior MBB concentrators.

Prerequisite: Philosophy 156 or equivalent.

Philosophy 159. Epistemology

Catalog Number: 4507

Anthony S. Gillies

Half course (spring term). Tu., Th., at 10; Tu., at 3. EXAM GROUP: 12

A consideration of basic questions about human knowledge, with attention to some of the following topics: the analysis of knowledge, foundationalism, naturalized epistemology, induction, and *a priori* knowledge.

***Philosophy 166. Issues in Feminism: Proseminar**

Catalog Number: 2782

Véronique Munoz-Dardé (University of London)

Half course (spring term). Hours to be arranged. First class meets on F., 2/6/04 at 1.

Fundamental ethical and political underpinnings of answers to some questions which have been of particular political concern to feminists, starting from the questions “What is so special about one’s body?” and, additionally, “What is so special about particular parts of one’s body?”

[Philosophy 168. Kant’s Ethical Theory]

Catalog Number: 8361

Christine M. Korsgaard

Half course (fall term). Hours to be arranged.

A study of Kant’s moral philosophy, based primarily on the *Groundwork of Metaphysics of Morals*, the *Critique of Practical Reason*, and *The Metaphysics of Morals*.

Note: Expected to be given in 2004–05. This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Philosophy 169. Morality and Action

Catalog Number: 9032

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 171. Political Philosophy

Catalog Number: 1275

Niko Kolodny

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

What sort of political institutions should we have? How should we relate to them? Why? We consider recent attempts to answer these questions, with particular attention to the work of John Rawls.

Cross-listed Courses

Greek 110r. Plato

History of Science 106. History of Ancient Science

Indian Studies 118. Indian Philosophy: Advanced Introduction

[Islamic Civilizations 145. Islamic Philosophy and Theology]

***Literature 142. Topics in Philosophy and Literature**

Mathematics 141. Introduction to Mathematical Logic

[Mathematics 142. Recursion Theory]

[Mathematics 143. Set Theory]

Religion 1750. Philosophy of Religion: Religious Epistemology

Primarily for Graduates

***Philosophy 203. Hellenistic Ethics: Seminar**

Catalog Number: 2336

Gisela Striker and Raphael G. Woolf

Half course (fall term). W., 4–6. EXAM GROUP: 9

An examination of some central topics from Greek ethics after Aristotle; mainly Epicurean and Stoic. We use Cicero's *De Finibus* ("On Moral Ends") as a basic text, supplemented by passages from other sources.

***Philosophy 233. Leibniz: Seminar**

Catalog Number: 5270

Donald P. Rutherford (University of California, San Diego)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

An examination of several central topics in Leibniz's philosophy (substance, matter, freedom, theodicy), paying special attention to the intersection in his thought between metaphysics, physics, and theology.

***Philosophy 239. Introspection and Phenomenality: Seminar**

Catalog Number: 2535

Susanna Siegel

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17



An examination of the phenomenal nature of perceptual experience, and the nature of our introspective access to it.

***Philosophy 240. Problems From Perception: Seminar**

Catalog Number: 5813

Michael G. Martin (University of London)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Theories of perception, perceptual consciousness and the epistemological role of perception, discussed partly within a historical context, considering, for example, how the argument from illusion and the nature of phenomenal consciousness have been understood in different times.

***Philosophy 247r. Topics in Philosophy of Language: Seminar**

Catalog Number: 0484

Richard G. Heck, Jr.

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

A survey of recent work on that-clauses and belief-ascription.

***Philosophy 248. Philosophy of Mathematics: Seminar**

Catalog Number: 3423

Charles D. Parsons

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

***Philosophy 249. Philosophy of Biology: Seminar**

Catalog Number: 0548

Peter Godfrey-Smith (Australian National University)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A survey of philosophical issues arising in evolutionary biology. Topics may include: adaptationism, fitness, units of selection, functional explanation, species, and the role of informational concepts in biology.

***Philosophy 251. Epistemology: Contextualism: Seminar**

Catalog Number: 0271

Anthony S. Gillies

Half course (spring term). W., 4–6. EXAM GROUP: 9

The foundations and applications of contextualist theses. In precisely what way might the truth of knowledge attributions such a “S knows that p” be dependent on context? What implications might this context-dependence have for possible responses to skeptical puzzles?

***Philosophy 258. Belief, Trust and Testimony: Seminar**

Catalog Number: 8514

Richard Moran

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The nature of our dependence on each other (including those long dead) for most of what we take ourselves to know. Readings will be drawn from Hume, Austin, Gadamer, Coady, Wellbourne, Anscombe, Baier, and others.



***Philosophy 260. Metaphysics: The Method of Postulation: Seminar**

Catalog Number: 3096

Kit Fine (New York University)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

We look at some general questions concerning the ontology of abstract objects. Are they created or discovered? How do we manage to refer to them or to describe them? How can we know what they are like? A broadly postulationalist response to these questions is proposed.

***Philosophy 269. Issues in Moral Philosophy: Partiality in Ethical Theory: Seminar**

Catalog Number: 9273

Niko Kolodny

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

We do more for our family and friends than we do for strangers. Are there reasons for this “partiality”? How is it related to morality? Can it cohere with other values, such as autonomy and equality?

***Philosophy 271z. Political Philosophy: Democracy: Seminar**

Catalog Number: 4120

Amartya Sen

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

An exploration of themes in contemporary democratic theory, including competing justifications for political democracy, limits on democracy imposed by constitutional rights, and the consequences of democracy for socio-economic equality.

***Philosophy 275. Practical Reason and Ethics: Seminar**

Catalog Number: 7850

Derek Parfit (All Souls College, Oxford)

Half course (spring term). Tu., Th., 4–6. EXAM GROUP: 18

Kant’s ethics, Scanlon’s contractualism, reasons for believing, caring, and acting, rationality, normativity, naturalism, non-cognitivism, non-reductive realism

***Philosophy 278. Nonconsequentialist Ethical Theory**

Catalog Number: 4732

Frances Kamm

Half course (spring term). W., 4–6. EXAM GROUP: 9

Nonconsequentialist ethical theory and aspects of consequentialism including: principles of permissible harm to persons; theory of rights and its relation to contractualism; responsibility for harms done in collaboration with others; the relevance of distance.

***Philosophy 299hf. Individual Supervision**

Catalog Number: 8076

Gisela Striker and members of the Department

Half course (throughout the year). Hours to be arranged.

Note: Required of candidates for the AM or PhD in Philosophy. Consult the Department’s *Supplement to the General Announcement* for details.



Cross-listed Courses

[*Arabic 249r. Arabic Philosophical Texts: Seminar]

[Arabic 250r. Arabic Theological Texts: Seminar]

***History of Science 206r. Ancient 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: Limited to first-year graduate students in the Department.

***Philosophy 300b. Colloquium**

Catalog Number: 6280

Warren Goldfarb 4499

Half course (spring term). Hours to be arranged.

Continuation of Philosophy 300a.

***Philosophy 303. Colloquium: Dissertation Presentations**

Catalog Number: 1089

Thomas M. Scanlon, Jr. 7986 and Gisela Striker 2271

***Philosophy 305. Individual Reading and Research**

Catalog Number: 4462

Anthony S. Gillies 4676, Peter Godfrey-Smith (Australian National University) 3338 (spring term only), Warren Goldfarb 4499, Richard G. Heck, Jr. 2993, Frances Kamm 4280, Peter Koellner 4680, Niko Kolodny 4684, Christine M. Korsgaard 2994 (on leave 2003-04), Michael G. Martin (University of London) 4681 (spring term only), Richard Moran 1786, Derek Parfit (All Souls College, Oxford) 2066 (spring term only), Charles D. Parsons 2298, Donald P. Rutherford (University of California, San Diego) 4678, Thomas M. Scanlon, Jr. 7986, Amartya Sen 1705 (spring term only), Susanna Siegel 2441, Alison Simmons 1300 (on leave 2003-04), Gisela Striker 2271, and Raphael G. Woolf 2488

***Philosophy 310. Research Seminars**

Catalog Number: 4465

Anthony S. Gillies 4676, Peter Godfrey-Smith (Australian National University) 3338 (spring term only), Warren Goldfarb 4499, Richard G. Heck, Jr. 2993, Frances Kamm 4280, Peter Koellner 4680, Niko Kolodny 4684, Christine M. Korsgaard 2994 (on leave 2003-04), Michael G. Martin (University of London) 4681 (spring term only), Richard Moran 1786, Derek Parfit



(All Souls College, Oxford) 2066 (spring term only), Charles D. Parsons 2298, Donald P. Rutherford (University of California, San Diego) 4678, Thomas M. Scanlon, Jr. 7986, Amartya Sen 1705 (spring term only), Susanna Siegel 2441, Alison Simmons 1300 (on leave 2003-04), Gisela Striker 2271, and Raphael G. Woolf 2488

Small seminars on specialized topics, arranged by these members of the Department in consultation with suitably prepared graduate students. Seminars will be listed individually with numbers from 311 through 398.

***Philosophy 311. Workshop in Moral and Political Philosophy**

Catalog Number: 5370

Thomas M. Scanlon, Jr. 7986 and Niko Kolodny 4684

Half course (fall term; repeated spring term). M., 4–6.

A forum for the presentation and discussion of work in progress by students in moral and political philosophy. Open only to graduate students in the Philosophy Department or by invitation of the instructors.

***Philosophy 312. Workshop in Metaphysics and Epistemology**

Catalog Number: 0576

Richard G. Heck, Jr. 2993 and Susanna Siegel 2441

Half course (fall term; repeated spring term). M., 4–6.

A forum for the presentation and discussion of work in progress by students in metaphysics and epistemology.

Note: Limited to graduate students in the Philosophy Department or by invitation of the instructors.

***Philosophy 333. Preparation for the Topical Examination**

Catalog Number: 1967

Anthony S. Gillies 4676, Peter Godfrey-Smith (Australian National University) 3338 (spring term only), Warren Goldfarb 4499, Richard G. Heck, Jr. 2993, Frances Kamm 4280, Peter Koellner 4680, Niko Kolodny 4684, Christine M. Korsgaard 2994 (on leave 2003-04), Richard Moran 1786, Charles D. Parsons 2298, Thomas M. Scanlon, Jr. 7986, Amartya Sen 1705 (spring term only), Susanna Siegel 2441, Alison Simmons 1300 (on leave 2003-04), Gisela Striker 2271, and Raphael G. Woolf 2488

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

Anthony S. Gillies 4676, Peter Godfrey-Smith (Australian National University) 3338 (spring term only), Warren Goldfarb 4499, Richard G. Heck, Jr. 2993, Frances Kamm 4280, Peter Koellner 4680, Niko Kolodny 4684, Christine M. Korsgaard 2994 (on leave 2003-04), Richard Moran 1786, Derek Parfit (All Souls College, Oxford) 2066 (spring term only), Charles D. Parsons 2298, Thomas M. Scanlon, Jr. 7986, Amartya Sen 1705 (spring term only), Susanna Siegel 2441, Alison Simmons 1300 (on leave 2003-04), Gisela Striker 2271, and Raphael G. Woolf 2488



Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Physics

John Huth, Professor of Physics (*Chair*)
 Nima Arkani-Hamed, Professor of Physics
 Assa Auerbach, Visiting Professor of Physics (*Technion, Israel Institute of Technology*)
 Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology
 Sidney Coleman, Donner Professor of Science (*on leave 2003-04*)
 Eugene A. Demler, Assistant Professor of Physics
 John M. Doyle, Professor of Physics
 Gary J. Feldman, Frank B. Baird, Jr. Professor of Science
 Daniel S. Fisher, Professor of Physics and Professor of Applied Physics (*on leave 2003-04*)
 Andrew Foland, Assistant Professor of Physics
 Melissa Franklin, Professor of Physics
 Gerald Gabrielse, George Vasmer Leverett Professor of Physics (*on leave 2003-04*)
 Peter L. Galison, Harvard College Professor and the Mallinckrodt Professor of the History of Science and of Physics
 Howard Georgi, Mallinckrodt Professor of Physics (*Director of Undergraduate Studies*)
 Roy J. Glauber, Mallinckrodt Professor of Physics
 Jene A. Golovchenko, Gordon McKay Professor of Applied Physics and Professor of Physics
 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, Instructional Laboratory Associate in Physics, Lecturer on Physics
 Eric J. Heller, Professor of Chemistry and Physics
 Paul Horowitz, Professor of Physics and of Electrical Engineering (*on leave 2003-04*)
 Arthur M. Jaffe, Landon T. Clay Professor of Mathematics and Theoretical Science
 Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)
 Andrew J. M. Kiruluta, Assistant Professor of Radiology (*Medical School*)
 Mikhail D. Lukin, Assistant Professor of Physics
 Charles M. Marcus, Professor of Physics (*on leave fall term*)
 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 (*on leave 2003-04*)
 Shiraz Minwalla, Assistant Professor of Physics
 Masahiro Morii, Assistant Professor of Physics
 David J. Morin,
 Sekazi K. Mtingwa, Visiting Professor of Physics (*North Carolina Agricultural and Technical State University*)



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 (*on leave 2004-05*)
Peter S. Pershan, Frank B. Baird, Jr. Professor of Science (*on leave spring term*)
Mara Prentiss, Professor of Physics
Lisa Randall, Professor of Physics (*on leave 2003-04*)
Aravinthan D. T. Samuel, Assistant Professor of Physics
Irwin I. Shapiro, Timken University Professor
Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences (*on leave 2003-04*)
Andrew Strominger, Professor of Physics (*Director of Graduate Studies*)
Christopher Stubbs, Professor of Physics and of Astronomy (*on leave fall term*)
Michael Tinkham, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics
Cumrun Vafa, Donner Professor of Science
David A. Weitz, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave 2004-05*)
Robert M. Westervelt, Mallinckrodt Professor of Applied Physics and of Physics
Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)

Other Faculty Offering Instruction in Physics

Gerald Holton, Mallinckrodt Professor of Physics and Professor of the History of Science, Emeritus

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. The courses in the 15/16-143a sequence are ordinarily given on Tuesday and Thursday morning. However, scheduling issues may require a change in the time of one of these courses to the afternoon or to Monday and Wednesday, from 2:30-4. When this happens, every effort will be made to satisfy the requirements for simultaneous enrollment in courses with overlapping times.

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 terms, 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 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 Cumrun Vafa

Half course (fall term). Tu., Th., 9:30–11, plus twice weekly conference sections and six laboratory sessions to be arranged. EXAM GROUP: 11, 12

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. This course, when taken for a letter grade together with Physics 1b, meets the Core area requirement for Science A.

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

Cumrun Vafa and David A. Weitz

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. This course, when taken for a letter grade together with Physics 1a, meets the Core area requirement for Science A.

Prerequisite: Physics 1a and Mathematics 1b, or the equivalent.

Physics 11a. Mechanics

Catalog Number: 3131



Melissa Franklin

Half course (fall term). Lectures, Tu., Th., 11:30–1; weekly ninety-minute discussion sections.

EXAM GROUP: 13, 14

Physics 11a is the first half of a one-year physics sequence. It 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. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Physics 11b. Electricity, Magnetism, and Waves

Catalog Number: 5472

Andrew Foland

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 and thermodynamics.

Note: May not be taken for credit by students who have passed Physics 15b or Physics 15c. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physics 11a; Mathematics 21a or 23a.

Physics 15a. Introductory Mechanics and Relativity

Catalog Number: 1984

David J. Morin (fall term) and Sekazi K. Mtingwa (North Carolina Agricultural and Technical State University) (spring term)

Half course (fall term; repeated spring term). Tu., Th., 10–11:30, and a weekly ninety-minute discussion section. EXAM GROUP: 12, 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; fluids; special relativity.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A.

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

Sekazi K. Mtingwa (North Carolina Agricultural and Technical State University) (fall term) and Howard Georgi (spring term) and Christopher Stubbs (spring term)

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: 13, 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. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physics 15a, Physics 16, or written permission of the Head Tutor in Physics. Mathematics preparation at least at the level of Mathematics 21a taken concurrently is required. Vector calculus, div, grad and curl are used extensively—in principle, this is taught in the course. Students taking Mathematics 21a concurrently will likely find that some concepts are introduced in Physics 15b before they have seen them in Mathematics 21a. Some students may wish to postpone Physics 15b until they have completed Mathematics 21a.

Physics 15c. Wave Phenomena

Catalog Number: 8676

Nima Arkani-Hamed (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, 16

Forced oscillation and resonance; coupled oscillators and normal modes; Fourier series; Electromagnetic waves, radiation, longitudinal oscillations, sound; traveling waves; signals, wave packets and group velocity; two- and three-dimensional waves; polarization; geometrical and physical optics; interference and diffraction. Optional topics: Water waves, holography, x-ray crystallography. Solitons.

Note: Laboratory: Continuation of "zap" plus additional labs. Laboratories will be under the supervision of Thomas C. Hayes. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physics 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: 12, 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.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Score of 5 on the mechanics section of the Physics C Advanced Placement exam, or equivalent. Mathematics preparation at least at the level of Mathematics 21a taken concurrently is required. Thorough knowledge of calculus of one variable and vectors plus some



mathematical sophistication. The mathematical level will be significantly higher than that of Physics 15a.

***Physics 90r. Supervised Research**

Catalog Number: 2460

David J. Morin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Primarily for selected concentrators in Physics, or in Chemistry and Physics, who have obtained honor grades in Physics 15 and a number of intermediate-level courses. The student must be accepted by some member of the faculty doing research in the student's field of interest. The form of the research depends on the student's interest and experience, the nature of the particular field of physics, and facilities and support available. Students wishing to write a senior thesis can do so by arranging for a sponsor and enrolling in this course. A list of possible faculty sponsors and their fields is available in Lyman 233 and on the Physics Department Web page. Course enrollment forms may be obtained from Lyman 233.

***Physics 91r. Supervised Reading Course for Undergraduates**

Catalog Number: 1218

David J. Morin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to selected concentrators in Physics, Chemistry and Physics, and other fields who wish to do supervised reading and studying of special topics in physics. Ordinarily such topics do not include those covered in a regular course of the Department. Honor grades in Physics 15 and a number of intermediate-level courses are ordinarily required. The student must be accepted by a member of the faculty. A list of possible faculty sponsors and their fields is available in Lyman 233 and on the Physics Department Web page. Course enrollment forms may be obtained from Lyman 233.

***Physics 95. Topics in Current Research**

Catalog Number: 2806

Robert M. Westervelt

Half course (fall term). M., 3–4, W., 7:30–9 p.m. EXAM GROUP: 8

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:* Primarily 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: 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.

Thomas C. Hayes and John N. Oliver (spring term)

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 9/16 or 2/4 at 1:30 in Science Center 206. EXAM GROUP: 15, 16

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 wireless communication, digital audio, signal averaging, and construction techniques.

Physics 125. Widely Applied Physics

Catalog Number: 6990

John M. Doyle

Half course (fall term). M., W., 2:30–4. 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 helpful, but not required.

Prerequisite: Physics 15a, b, c, and mathematics at the level of Mathematics 21a (which may be taken concurrently).

Physics 136. Physics of Medical Imaging

Catalog Number: 0182



Andrew J. M. Kiruluta (Medical School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Presents the underlying physics of modern medical diagnostic imaging techniques. Focuses on the following imaging modalities: Ultrasound (US), X-rays Computed Axial Tomography (CAT) scans, Positron Emission Tomography (PET), Magnetic Resonance Imaging (MRI), Optical Coherence Tomography and an overview into the next generation systems such as combined CT/MR, CT/PET, US/MR and Terawave systems. Flexibility exists to vary the depth of each area depending on background and experience of the students.

Prerequisite: Physics 15b and mathematics preparation at least to the level of Mathematics 21b taken concurrently. Physics 143a and b are recommended but not essential.

Physics 140. Introduction to Biophysics

Catalog Number: 5394

Howard C. Berg and Aravinthan D. T. Samuel

Half course (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: 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 (spring term) and Michael Tinkham (fall term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 10–11:30; Spring: M., W., 3–4:30. EXAM GROUP: Fall: 12, 13; Spring: 8, 9

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

Gary J. Feldman

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Further techniques and applications of quantum mechanics, including quantum statistics, Bose-Einstein condensation, advanced topics in angular momentum: rotations, tensor operators and the Wigner-Eckart theorem, variational methods, time-dependent perturbation theory, nuclear magnetic resonance, emission and absorption of radiation, quantization of the radiation field, Casimir effect, adiabatic approximation, geometrical phases, Aharonov-Bohm effect, collision



theory, measurement theory, Bell's inequality, and an introduction to quantum computing.

Prerequisite: Physics 143a.

Physics 145. Elementary Particle Physics

Catalog Number: 6057

George W. Brandenburg

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 Higgs 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 presented.

Note: May not be taken for credit in addition to Engineering Sciences 125.

Prerequisite: Physics 15a, b or written permission of the Head Tutor; Mathematics 21a, b or equivalent.

Physics 153. Electrodynamics

Catalog Number: 0264

Mikhail D. Lukin

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Aimed at advanced undergraduates. Emphasis on the properties and sources of the electromagnetic fields and on the wave aspects of the fields. Course starts with electrostatics and subsequently develops the Maxwell equations. Topics: electrostatics, dielectrics, magnetostatics, electrodynamics, radiation, wave propagation in various media, wave optics, diffraction and interference. A number of applications of electrodynamics and optics in modern physics are discussed.

Prerequisite: Physics 15 a, b, and c, or written permission of the Head Tutor; Mathematics 21a, b or equivalent.

[Physics 165. Modern Atomic, Molecular, and Optical Physics]

Catalog Number: 0348

John M. Doyle

Half course (spring term). Hours to be arranged.

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 include acquainting students with these and other modern research topics while providing the foundations of modern atomic, molecular and optical physics research.

Note: Expected to be given in 2004–05.

Prerequisite: Physics 143a and 143b.

Physics 181. Statistical Mechanics and Thermodynamics

Catalog Number: 6346

Robert M. Westervelt

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduction to thermal physics: basic concepts of thermodynamics (energy, heat, work, temperature, entropy), classical and quantum ensembles and their origins, and distribution functions. Applications include Debye's theory of solids, Planck's theory of black body radiation, classical and quantum gases, magnetism and phase transitions.

Note: May not be taken for credit in addition to Engineering Sciences 181.

Prerequisite: Physics 143a or equivalent.

Physics 191r. Advanced Laboratory

Catalog Number: 7711 Enrollment: Together with Physics 247r, limited to a total of 24 students.

Peter S. Pershan (on leave spring term), Lene V. Hau (fall term), Mara Prentiss, and Michael Tinkham (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: 15, 16

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

Eugene A. Demler

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.

Cross-listed Courses

[Applied Physics 195. Introduction to Solid State Physics]

[Astronomy 145. Topics in Astrophysics](#)

[Astronomy 150. Radiative Processes in Astrophysics](#)

[Astronomy 191. Astrophysics Laboratory](#)

[Astronomy 192. Tools and Techniques of Astronomical Measurements]

[Chemistry 160. Physical Chemistry](#)

[Chemistry 161. Statistical Thermodynamics](#)

[Chemistry 163. Frontiers in Biophysics](#)

[Chemistry 165. Experimental Physical Chemistry](#)

[Earth and Planetary Sciences 131. Introduction to Physical Oceanography](#)

[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 173. Optoelectronics and Photonics: Principles and Applications](#)

[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; Schwarzschild black holes, the Newtonian limit; gravitational radiation; experimental tests, cosmological solutions.

Prerequisite: Physics 151 and 153, and Mathematics 21 or equivalents.

[Physics 211. General Relativity, Cosmology, and Other Topics]

Catalog Number: 0469

Andrew Strominger

Half course (spring term). Hours to be arranged.

Our focus is the classical and quantum theory of black holes. The general Kerr-Newman solution; causal structure; Penrose diagrams; the classical laws of black hole mechanics, experimental evidence; Hawking radiation; the information paradox; de Sitter and black hole



entropy.

Note: Expected to be given in 2004–05. Physics 253a helpful but not required. Auditors should obtain permission of instructor. It is suggested that students may wish to take Astronomy 211 when this course is bracketed.

Prerequisite: General relativity at level of Physics 210 or equivalent.

Physics 218. Modern Dynamical Systems

Catalog Number: 1362

Paul C. Martin

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Classical hamiltonian theory. Integrable systems, nonlinear dynamics, and chaos. Maps, KAM theory, and bifurcations. Mixing and ergodic theory. Dynamics of continuous systems, especially fluids. Stochastic processes.

Prerequisite: Physics 151 and 143a, b or equivalent; Applied Math 201, 202 or equivalent.

Physics 232a. Advanced Electromagnetism

Catalog Number: 4885

Jene A. Golovchenko

Half course (fall term). M., W., 9:30–11. EXAM GROUP: 2, 3

Geometrical foundations, dynamical electromagnetic field and particle/matter equations of motion, Green's functions and static and time dependent solutions, special functions, relaxation methods, gauge invariance, conservation theorems, fields in dense matter. Applications include particle traps, spin resonance, adiabatic fast transfer, particle screening, Kapitza potentials, strong focusing, reactive, dissipative and radiating systems, solitons.

Prerequisite: Physics 153 and Applied Mathematics 105a, 105b, or equivalent.

[Physics 232b. Electromagnetism II]

Catalog Number: 7246

Paul C. Martin

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

Prerequisite: Physics 232a or equivalent, and Physics 143b or Physics 251a.

[Physics 245. Relativistic Quantum Mechanics with Applications]

Catalog Number: 3551

Half course (fall term). Hours to be arranged.

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.



Note: Expected to be given in 2004–05.

Prerequisite: Two terms 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 (on leave spring term), Lene V. Hau (fall term), Mara Prentiss, and Michael Tinkham (spring term)

Half course (fall term; repeated spring term). Hours to be arranged.

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 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 I

Catalog Number: 8050

Arthur M. Jaffe

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 II

Catalog Number: 5250

Nima Arkani-Hamed

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 253c. Quantum Field Theory III

Catalog Number: 4000

Shiraz Minwalla

Half course (spring term). M., W., 3–4:30. EXAM GROUP: 8, 9

The course illustrates the power of quantum field theory in several concrete examples of physical interest. It studies spin systems (including ferro-magnets and anti-ferro magnets), 2-D CFTs, lattice gauge theories, continuum gauge theories (including confinement) and supersymmetric gauge theories.

Note: Expected to be omitted in 2004–05.

Prerequisite: Physics 253b.

[Physics 262. Statistical Physics]

Catalog Number: 1157

Assa Auerbach (Technion, Israel Institute of Technology)

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. Time permitting, a brief introduction to various aspects of statistical biophysics is given.

Note: Expected to be given in 2004–05. Students may wish to take Applied Physics 284 when this course is bracketed.

Prerequisite: Physics 143a, b and Physics 181 or Engineering Sciences 181.

[Physics 264. Group Theory with Application to Particle Physics]

Catalog Number: 5317

Arthur M. Jaffe

Half course (spring term). Hours to be arranged.

Focuses on the role of symmetry in quantum theory. It includes an introduction to Lie group symmetry with examples; it explores relations between relativistic symmetry and Euclidean symmetry; particle physics are linked with statistical physics

Note: Expected to be given in 2004–05.

Prerequisite: Physics 143a and 143b or equivalent.

Physics 265. Photons and Atoms

Catalog Number: 4203

Lene V. Hau

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to quantum field theory, quantization of the electromagnetic radiation field and many-body atomic systems, Bose-Einstein condensates, superfluids, quantized vortices, and degenerate Fermi gases. Laser cooling, dressed states, stimulated radiation forces. Casimir force,



atom interferometers.

Note: Students may wish to take Applied Physics 217 when this course is bracketed.

Prerequisite: At least one term of quantum mechanics beyond the level of Physics 143a.

Physics 268r. Physics of Strongly Correlated Electron Systems

Catalog Number: 7951

Eugene A. Demler

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

An introduction to the subject of strongly correlated electron systems. We discuss problems including Migdal-Eliashberg strong-coupling theory of superconductivity, superconductivity in doped Mott insulators, integer and fractional quantum Hall effects.

Prerequisite: Applied Physics 295b 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 is 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 focuses primarily on the experimental literature, augmented by recent texts and reviews. The format of the course is a combination of lectures and journal-club-style presentations.

Prerequisite: Basic familiarity with quantum mechanics and solid state physics at the level of undergraduate courses.

[Physics 283b. Beyond the Standard Model]

Catalog Number: 7153

Lisa Randall

Half course (spring term). W., F., 2:30–4. EXAM GROUP: 7, 8

Covers current advances in particle physics beyond the Standard Model. Topics could include supersymmetry, the physics of extra dimensions, and connections between particle physics and cosmology.

Note: Expected to be given in 2004–05.

[Physics 283r (formerly Physics 283). The Standard Model]

Catalog Number: 3620

Lisa Randall

Half course (spring term). Hours to be arranged.

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.



Note: Expected to be given in 2004–05.

Prerequisite: Physics 253a, b or equivalent.

[Physics 285a. Atomic Molecular and Optical Physics I]

Catalog Number: 8204

Half course (spring term). Hours to be arranged.

Introduction to modern atomic physics. The fundamental concepts and modern experimental techniques will be introduced. Topics will include two-state systems, magnetic resonance, interaction of radiation with atoms, transition probabilities, spontaneous and stimulated emission, dressed atoms, trapping, laser cooling of “two-level” atoms, structure of simple atoms, fundamental symmetries, two-photon excitation, light scattering and selected experiments. The first of a two-term subject sequence that provide the foundations for contemporary research.

Note: Expected to be given in 2004–05.

Prerequisite: One course in quantum mechanics (143a and b, or equivalent).

Physics 285b. Atomic Molecular and Optical Physics II

Catalog Number: 4195

Mikhail D. Lukin

Half course (fall term). Hours to be arranged.

Introduction to quantum optics and modern atomic physics. The basic concepts and theoretical tools will be introduced. These will be used to consider fundamental systems in atomic and optical physics. Topics will include atomic coherence phenomena, non-classical states of light and matter, cavity quantum electrodynamics, atom cooling and trapping and atom optics. The second of a two-term subject sequence that provides the foundations for contemporary research.

Prerequisite: A course in electromagnetic theory (Physics 232a or equivalent); one half-course in intermediate or advanced quantum mechanics.

[Physics 287. Topics in Physics of Quantum Information]

Catalog Number: 7647

Mikhail D. Lukin

Half course (fall term). Hours to be arranged.

Introduction to physics of quantum information, with emphasis on ideas and experiments ranging from quantum optics to condensed matter physics. Background and theoretical tools introduced.

The format is a combination of lectures and class presentations.

Note: Expected to be given in 2004–05.

Prerequisite: Quantum mechanics at the level of introductory graduate courses.

Physics 287a. Introduction to String Theory

Catalog Number: 2012

Shiraz Minwalla

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

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. Topics in String Theory

Catalog Number: 4555

Andrew Strominger

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.

Physics 289r. Supersymmetry and Invariants

Catalog Number: 6400

Arthur M. Jaffe

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to supersymmetry, to constructive field theory, and to related string ideas.

Prerequisite: Knowledge of quantum theory and of analysis. Knowledge of field theory will be helpful but is not essential.

Cross-listed Courses

Applied Mathematics 201. Physical Mathematics I

Applied Mathematics 202. Physical Mathematics II

Applied Mathematics 203r. Nonlinear Dynamics and Chaos

[Applied Mathematics 205. Practical Scientific Computing]

[Applied Physics 216. 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

Engineering Sciences 274. Quantum Technology I

[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 (on leave 2003-04)



***Physics 303,304. Topics in Biophysics, Neurobiology, and Animal Behavior**

Catalog Number: 1727,1792

Aravinthan D. T. Samuel 4625

***Physics 305,306. Experimental High Energy Physics**

Catalog Number: 7929,0855

John Huth 3506

***Physics 307,308. Experimental Atomic Physics, Bose-Einstein Condensation, and 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

***Physics 315,316. Topics in Theoretical Atomic, Molecular, and Optical Physics**

Catalog Number: 7387,8871

Eric J. Heller 1074

***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 (on leave 2004-05)

***Physics 323,324. Nanostructures and Mesoscopic Physics**

Catalog Number: 3629,9079

Charles M. Marcus 2890 (on leave fall term)

***Physics 327,328. Topics in Condensed Matter Physics**

Catalog Number: 5969,6524

David R. Nelson 5066 (on leave 2004-05)

***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

***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 (on leave 2003-04)

***Physics 343,344. Observational Cosmology and Experimental Gravitation**

Catalog Number: 4253,6881

Christopher Stubbs 4856

***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 D. Lukin 3990

***Physics 349,350. Topics in String Theory, Quantum Gravity and Field Theory**

Catalog Number: 1818,0791

Shiraz Minwalla 4228

***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

***Physics 359,360. Topics in Condensed Matter Physics**

Catalog Number: 8238,7560

Eugene A. Demler 3847

***Physics 361,362. Topics in Condensed Matter and Statistical Physics**

Catalog Number: 3750,4793

Daniel S. Fisher 2600 (on leave 2003-04)

***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

***Physics 367,368. Experimental Astrophysics**

Catalog Number: 1075,1274

Paul Horowitz 3537 (on leave 2003-04)

***Physics 369,370. Experimental Condensed Matter: Synchrotron Radiation Studies**

Catalog Number: 1538,1539

Peter S. Pershan (on leave spring term) 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

***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

***Physics 383,384. Low Temperature Physics of Quantum Fluids and Solids; Ultra High Pressure Physics**

Catalog Number: 3851,4395

Isaac F. Silvera 7468 (on leave 2003-04)

***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 (on leave 2003-04)

***Physics 389,390. Topics in Field Theory: The Standard Model and Beyond**

Catalog Number: 4393,2571

Lisa Randall 4255 (on leave 2003-04)

***Physics 391,392. Experimental Atomic Physics, Biophysics, and Soft Matter Physics**

Catalog Number: 1006,2753

Ronald L. Walsworth 2263

***Physics 393,394. Topics in Elementary Particle Theory**

Catalog Number: 6051,6218

Howard Georgi 4754

***Physics 395,396. Topics in Elementary Particle Theory**

Catalog Number: 9844,9408

Nima Arkani-Hamed 3886

***Physics 397,398. Experimental Condensed Matter Physics**

Catalog Number: 7355,7356

Jene A. Golovchenko 1986

Political Economy and Government

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Committee on Higher Degrees in Political Economy and Government

Kenneth A. Shepsle, George D. Markham Professor of Government (*Chair*)
 Scott Ashworth, Assistant Professor of Government (*on leave 2003-04*)
 Christopher N. Avery, Professor of Public Policy (*Kennedy School*)
 Robert H. Bates, Eaton Professor of the Science of Government
 Francesco Caselli, Paul Sack Associate Professor of Political Economy (*on leave fall term*)
 Cary Coglianese, Assistant Professor of Public Policy (*Kennedy School*)
 Suzanne J. Cooper, Assistant Professor of Public Policy (*Kennedy School*)
 Jeffry 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
 Merilee Grindle, Edward S. Mason Professor of International Development and Lecturer on Public Policy (*Kennedy School*)
 Elhanan Helpman, Galen L. Stone Professor of International Trade (*on leave spring term*)
 Michael J. Hiscox, John L. Loeb Associate Professor of the Social Sciences
 William W. Hogan, Lucius N. Littauer Professor of Public Policy and Administration (*Kennedy School*) (*ex officio*)
 Torben Iversen, Professor of Government
 Joseph P. Kalt, Ford Foundation Professor of Political Economy (*Kennedy School*)
 Andrew Harriman Kydd, Assistant Professor of Government (*on leave 2003-04*)
 David I. Laibson, Professor of Economics
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science, Department Chair of Government (*ex officio*)
 Lisa L. Martin, Clarence Dillon Professor of International Affairs
 Nolan H. Miller, Assistant Professor of Public Policy (*Kennedy School*)
 Dwight H. Perkins, Harold Hitchings Burbank Professor of Political Economy (*on leave fall term*)
 Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
 Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)
 Richard Tuck, Frank G. Thomson Professor of Government
 Richard J. Zeckhauser, Frank Plumpton Ramsey Professor of Political Economy (*Kennedy School*)

The Doctoral Program in Political Economy and Government (PEG) is intended for scholars interested in academic or policy making careers requiring advanced knowledge of both economics and political science. It is appropriate for students whose academic interests are not fully served by doctoral studies in economics or political science alone. In political economy, candidates have intellectual interests in the impact of politics on economic processes and outcomes, and the reciprocal influence of economic conditions on political life. This interest is often applied to such diverse areas as international political economy, political development, political and economic institutions, institutional transition and reform, environmental resource policies, and social policy.

Candidates for the PEG degree are typically in residence for two years before undertaking the oral general examination. Satisfactory completion of the general examination is a prerequisite for



writing a dissertation. Continuation of candidacy is contingent upon suitable progress and achievement during each academic year.

Applicants to this program must present their academic credentials, career plans, and a tentative outline of their proposed program 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/ksgdoctoral/peg.

Psychology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Psychology

Daniel L. Schacter, William R. Kenan, Jr. Professor of Psychology (*Chair*)
 Nalini Ambady, Ruth and John Hazel Associate Professor of the Social Sciences (*fall term only*)
 Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics (FAS) and Carol K. Pforzheimer Professor (*Radcliffe Institute*)
 Mark G. Baxter, Assistant Professor of Psychology (*fall term only*)
 Alfonso Caramazza, Daniel and Amy Starch Professor of Psychology (*on leave spring term*)
 Susan E. Carey, Henry A. Morss, Jr. and Elizabeth W. Morss Professor of Psychology
 Shelley H. Carson, Lecturer on Psychology
 Patrick Cavanagh, Professor of Psychology
 Erin Driver-Linn, Lecturer on Psychology
 Nicholas Epley, Assistant Professor of Psychology (*on leave spring term*)
 L. Dodge Fernald,
 Ellsworth Lapham Fersch, Lecturer on Psychology, Continuing Education Instr, Teaching Assistant in the Core Curriculum
 Daniel T. Gilbert, Professor of Psychology
 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
 Yuhong Jiang, Assistant Professor of Psychology
 Stephen M. Kosslyn, John Lindsley Professor of Psychology (*Head Tutor*)



Ellen J. Langer, Professor of Psychology
Brian R. Little, Associate of the Department of Psychology, Lecturer on Psychology
Richard J. McNally, Professor of Psychology
Ken Nakayama, Edgar Pierce Professor of Psychology (*on leave 2003-04*)
Matthew K. Nock, Assistant Professor of Psychology
Steven Pinker, Johnstone Family Professor of Psychology
Diego Pizzagalli, Assistant Professor of Psychology
Michael R. Rodriguez, Allston Burr Senior Tutor in Adams House, Lecturer on Psychology
Jesse Snedeker, Assistant Professor of Psychology
Nancy C. Snidman, Lecturer on Psychology, Part Time Research Project Administrator
Elizabeth S. Spelke, Professor of Psychology
Philip Stone, Professor of Psychology
Daniel M. Wegner, Professor of Psychology

Other Faculty Offering Instruction in the Department of Psychology

Lee Baer, Associate Professor for Psychology (*Medical School*)
Max H. Bazerman, Jesse Isidor Straus Professor of Business Administration (*Business School*)
Gary S. Belkin, Assistant Professor of Psychiatry (*Medical School*)
Alan Dershowitz, Felix Frankfurter Professor of Law (*Law School*)
Kurt W. Fischer, Professor of Education (*Education School*)
Howard E. Gardner, Professor of Education (*Education School*)
Gene M. Heyman, Lecturer in Psychiatry (*Medical School*)
Jerome Kagan, Daniel and Amy Starch Professor of Psychology, Emeritus
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*)
Robert A. Stickgold, Assistant Professor of Psychiatry (*Medical School*)
Alan A. Stone, Touroff-Glueck Professor of Law and Psychiatry (*Law School and Medical School*)
Mark Tramo, Assistant Professor of Neurology (*Medical School*)
Jeremy M. Wolfe, Professor of Ophthalmology (*Medical School*)

For a list of other courses which automatically count for undergraduates concentration credit, please see the note under the cross-listed courses for Undergraduates and Graduates.

Primarily for Undergraduates

Psychology 1. Introduction to Psychology

Catalog Number: 0854

Daniel T. Gilbert (fall term) and Jeremy M. Wolfe (Medical School) (spring term)
Half course (fall term; repeated spring term). Fall: M., W., 1–2:30; Spring: M., W., 1–2:30, and an hour section to be arranged. EXAM GROUP: 6, 7
Surveys the scientific study of human psychology. Introduces students to topics such as



perception, consciousness, development, cognition, emotion, motivation, psychopathology, decision making, and social behavior.

Psychology 13. Cognitive Psychology

Catalog Number: 8706

Yuhong Jiang

Half course (fall term). Tu., Th., 8:30–10, and a weekly section to be arranged. EXAM GROUP: 10, 11

An introduction to the study of human cognition. Topics include perception, attention, learning and memory, reasoning and categorization, and language. We will cover cognitive and neuroscience approaches to these questions.

Prerequisite: Psychology 1 or permission of the instructor.

Psychology 15. Social Psychology

Catalog Number: 4760 Enrollment: Limited to 130.

Ellen J. Langer (fall term) and Daniel M. Wegner (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 10–11:30; M., at 4; Spring: M., W., 2–3:30; and a weekly section to be arranged. EXAM GROUP: Fall: 12, 13; Spring: 7, 8

An introduction to Social Psychological research and theory regarding everyday behavior. Topics include: mindfulness; social influence, attitude change, and obedience to authority; stereotyping and prejudice; social cognition; social interaction and group processes; interpersonal attraction; prosocial behavior; and everyday human judgment. We will also discuss applications of social psychology to law, politics, education, and health.

Psychology 16. Developmental Psychology

Catalog Number: 1483

Jesse Snedeker

Half course (fall term). Tu., Th., 1–2:30; Th., at 3 and a weekly section meeting to be arranged. EXAM GROUP: 15, 16

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.

Prerequisite: Psychology 1 or a similar course.

Psychology 18. Abnormal Psychology

Catalog Number: 8560

Shelley H. Carson

Half course (fall term). Tu., Th., 11:30–1 and a weekly section to be arranged. EXAM GROUP: 13, 14

Introduction to the study of psychopathology. Focuses on theoretical models of abnormal behavior as they relate to the definition, etiology, and treatment of mental disorders. Diagnostic classification, behavioral, and biological features of the major syndromes of psychopathology emphasized.

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: Apply for admission through the Psychology Undergraduate Office.

***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.

Prerequisite: Psychology 1 or concurrent enrollment.

***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.

Prerequisite: Psychology 1 or concurrent enrollment.

[*Psychology 980f. Gender, Race, and Identity]

Catalog Number: 9194

Stephen M. Kosslyn and members of the Department

Half course (fall term). Hours to be arranged.

How do conceptions of gender and race impact our lives? We examine children's developing understanding of sex and race, how gender and racial stereotypes impact our perceptions of self and others, and the relationship between group membership and psychopathology. Through readings and class discussion we develop a greater understanding of how gender and race intersect to affect identity, individual and collective choices, and ultimately our society.

Note: Expected to be given in 2004–05.

***Psychology 980h. Adolescent Psychology**

Catalog Number: 0920

Stephen M. Kosslyn and members of the Department

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Adolescence is a fascinating time of life because of the vast physical and psychological changes that occur. Examines adolescence as a developmental phase by reading current psychology research as well as classic theories. Examines the biological changes that accompany puberty, brain development, parent and peer relationships, gender, cultural context, and ethnicity. Topics



include identity formation, rebellion, sexuality, violence, achievement, substance abuse, suicide, and eating disorders.

***Psychology 980i. The Child in the Family**

Catalog Number: 6209

Stephen M. Kosslyn and members of the Department

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

How much does the family context influence the development of the child? Examines familial influences on child development. Issues such as sibling birth order, parenting, divorce, adoption, abuse, attachment, maternal satisfaction, and day care discussed, as are cultural differences in family practices and the pregnancy experience.

[*Psychology 980j. Hormonal Influences and Illusions]

Catalog Number: 5443

Stephen M. Kosslyn and members of the Department

Half course (spring term). Hours to be arranged.

Examines how hormones both affect, and are alleged to affect, behavior, emotion, and cognition. Topics include effects of baseline female and male hormonal levels; effects of changes in hormonal levels on women and men; implications for psychopathology; and hormonal legitimacy (or dearth thereof) of PMS, menopausal breakdowns, and male mid-life crises.

Note: Expected to be given in 2004–05.

***Psychology 980k. Neuropsychology Clinical Seminar**

Catalog Number: 8529

Stephen M. Kosslyn and members of the Department

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Studies a wide number of clinical neuropsychological conditions, drawing on different research approaches. Through a mix of clinical case studies and empirical research studies, examines a sampling of disorders such as amnesic syndromes, deficits in face processing, and emotional disorders, as well as disorders of visual and auditory perception.

***Psychology 980l. Psychology and Immunology**

Catalog Number: 6530

Stephen M. Kosslyn and members of the Department

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The immune system plays a critical role in the defense of our body against a wide range of potential pathogens. Course examines both the influence of psychological constructs on immunity as well as immune system functioning on psychological well being. Includes an overview of the immune system, stress and immunity, emotional processing, and somatic illness vulnerability. The possible role of immune deficits as markers in the identification of various psychopathology conditions also discussed.

***Psychology 980m. Obsessive-Compulsive Disorder (OCD) and OCD-Spectrum Disorders**

Catalog Number: 7178

Stephen M. Kosslyn and members of the Department

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9



Explores current psychiatric diagnostic classification system and the boundaries between “disorder,” “subclinical - symptoms,” and non-“disordered” behavior. Then, drawing from case material and empirical research, explores biological, social, and intrapersonal factors relevant to the development, maintenance, and treatment of Obsessive-Compulsive Disorder, specifically, and related “OCD Spectrum Disorders,” such as Body Dysmorphic Disorder, Tourettes Disorder, and Trichotillomania. Students encouraged to evaluate critically the literature on the disorders under study during weekly discussions.

[*Psychology 980n. Behavioral Genetics Seminar]

Catalog Number: 0204

Stephen Kosslyn and members of the Department

Half course (spring term). Hours to be arranged.

We attempt to understand the causes of psychopathology from the perspective of human behavioral genetics. Where relevant, we also include animal models. Additionally, we cover behavioral genetics topics in the areas of personality and cognition.

Note: Expected to be given in 2004–05.

Prerequisite: Psychology 1, BS 80, BS 50 or permission of instructor.

***Psychology 980o. Functional Neuroanatomy: The Brain from Back to Front**

Catalog Number: 6429

Stephen M. Kosslyn and members of the Department.

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Provides a broad overview of the anatomical organization of the human brain with an emphasis on the flow of information processing from posterior to anterior regions. We consider current theories and controversies regarding a different brain region through primary source reading and in-class discussion. Topics include visual imagery, face perception, long-term memory, emotion, language, executive function, and social cognition.

***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: Hours to be arranged; Spring: M. at 4.

EXAM GROUP: Spring: 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. Apply for admission at the Psychology Undergraduate Office. Graded Sat/Unsat. Full prospectus or term paper required.

Prerequisite: Advanced methods course or concurrent enrollment.

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). Hours to be arranged.

Evaluates cognitive neuroscience models of brain function using a neuropsychological approach. Developmental, neurological and psychiatric syndromes discussed. Case studies presented and relevant research reviewed and used to challenge current theories. Reviews a variety of assessment techniques including neuropsychological evaluation and neuroimaging. Students will take turns presenting relevant literature.

Note: Expected to be given in 2004–05.

***Psychology 987b. Music, Mind, and Brain**

Catalog Number: 7107

Mark Tramo (Medical School)

Half course (spring term). W., 6:30–9:30 p.m. EXAM GROUP: 9

Takes a multidisciplinary approach to understanding neural systems that govern music perception and cognition. Students will master relevant topics in psychophysics, cognitive psychology, neurophysiology, neuroanatomy, and neurology. Individual seminars are thematic and examine a particular subject (e.g., melody perception; talent) from these multiple perspectives.

***Psychology 987c. Multidisciplinary Perspectives on Drug Policy**

Catalog Number: 1082

Marc D. Hauser and members of the Department

Half course (fall term). Th., 6–8 p.m. EXAM GROUP: 18

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 in the criminal justice and health care systems and suggests a closer working relationship between these systems, especially in urban poverty areas. Examines strategies to address substance abuse. Readings from neurobiology, psychiatry, psychology, public health, public policy, law, and history.

Note: Contact Will Brownsberger at will@brownsberger.us with questions.

***Psychology 987f. The Biology of Conscious States: Waking, Sleeping, and Dreaming**

Catalog Number: 3372

Robert A. Stickgold (Medical School)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

Focuses on waking, sleeping, and dreaming as examples of conscious states in both humans and animals. Original papers and books by Allan Hobson (*The Dreaming Brain*) and Antonio Damasio (*The Feeling of What Happens*) form the background for discussions of waking, sleeping, and dreaming from the perspectives of neurology, physiology, psychology, and cognitive neurosciences. Discusses various approaches to understanding the functions of sleep and wake (consciousness) and reviews several theories on the topic.

[*Psychology 987g. Theories of Violence]

Catalog Number: 7611 Enrollment: Limited to 20.

Alan A. Stone (Law School and Medical School)



Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

***Psychology 987h. The Dynamics of Drug Addictions**

Catalog Number: 5541

Gene M. Heyman (Medical School)

Half course (fall term). W., 4–6. EXAM GROUP: 9

Drug users often fluctuate between periods of heavy and light consumption and most eventually “recover.” We 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

Marc D. Hauser and members of the Department

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Focuses on the science of happiness, integrating findings from positive psychology, psychiatry, behavioral genetics, neuroscience, and behavioral economics. Begins with a brief history of ideas on happiness from Aristotle to Kahneman. Considers the genetics of happiness including the notion of a biologically determined hedonic set point, the brain's pleasure circuitry, and the mind's power to frame events positively, a tool used in cognitive therapies. Questions whether pleasure and happiness are our purpose.

Note: Contact Nancy Etcoff at etcoff@comcast.net with questions.

[*Psychology 987j. Mind, Brain, and Limits in Medicine]

Catalog Number: 8821

Gary S. Belkin (Medical School)

Half course (spring term). Hours to be arranged.

From the controversial definition of brain death to whom we consider a “hopeless” patient, inferences about brain function shape ideas and practices about the purposes and limits of medicine. Examining clinical controversies, ethical debates, and selected primary source material, we 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.

Note: Expected to be given in 2004–05.

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. at 4.

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/Unsat.

Prospectus meeting required for fall term credit, as well as a paper for students who divide course at mid-year. Submission of thesis required for full year credit.

Prerequisite: Advanced methods course.

***Psychology 992. Senior Tutorial: Honors Thesis (Mind/Brain/Behavior)**

Catalog Number: 4990

Stephen Kosslyn and members of the Department

Full course. Hours to be arranged, plus occasional, optional but highly recommended group meetings, M. at 4.

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.

Prerequisite: An advanced methods course.

***Psychology 995. Senior Seminar: General Psychology**

Catalog Number: 5201 Enrollment: Limited to 12.

L. Dodge Fernald and Erin Driver-Linn (spring term)

Half course (fall term; repeated spring term). Fall: M., 1-3 (Fernald); Spring: M., 1-3 (Fernald), or Th., 1-3 (Driver-Linn). EXAM GROUP: Fall: 6, 7

A capstone course aimed at an integrated review of the field through seminar discussions, oral reports, field experience, practitioner interviews, and independent research projects. Focus is upon the perspectives and prescriptions in contemporary psychology.

Note: Designed for senior concentrators not engaged in an honors thesis.

Cross-listed Courses

Biological Sciences 80. Behavioral Neuroscience

***Freshman Seminar 23s. The Seven Sins of Memory**

***Freshman Seminar 46g. Changing Conceptions of Leadership**

Science B-29. Evolution of Human Nature

Science B-44. Vision and Brain

Science B-60. Origins of Knowledge

Science B-62. The Human Mind

Social Analysis 43. Psychological Trauma

For Undergraduates and Graduates

***Psychology 1152r. Animal Cognition: Laboratory**

Catalog Number: 1805 Enrollment: Limited to 12.

Marc D. Hauser

Half course (fall term; repeated spring term). M., 5–7 p.m. plus 8-10 hours of lab work per week.



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.

Note: Preference given to psychology undergraduates and students in the Mind/Brain/Behavior program.

Prerequisite: Science B-29 or OEB 22 or permission of instructor.

[*Psychology 1204. Hormones and Behavior]

Catalog Number: 8195

Half course (spring term). Hours to be arranged.

Examines how hormones act in the nervous system and influence specific behaviors, and vice versa. Covers literature concerning sexual differentiation, reproduction, parental behaviors, aggression, mood, stress, eating and drinking, learning and memory, and psychopathology.

Note: Expected to be given in 2004–05.

Prerequisite: Psychology 1 and BS 25 or 80, or consent of instructor.

[*Psychology 1252. Neurobiology of Learning and Memory: Seminar]

Catalog Number: 8580 Enrollment: Limited to 20.

Mark G. Baxter

Half course (spring term). Hours to be arranged.

Studies the neural systems involved in learning and remembering. Focuses on research assigning specific mnemonic functions to specific brain areas, and integrates the biological organization of the brain with the psychological phenomena of learning and memory.

Note: Expected to be given in 2004–05. Graduate students encouraged to enroll.

Prerequisite: Psychology 1 and BS 80.

[*Psychology 1254. Neuropsychology of Aging and Dementia]

Catalog Number: 9109 Enrollment: Limited to 20.

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 2004–05.

Prerequisite: Psychology 1 and BS 80.

[Psychology 1304. Cognitive Neuropsychology]

Catalog Number: 2419

Alfonso Caramazza

Half course (spring term). Hours to be arranged.

Examines the patterns of linguistic, perceptual, and cognitive impairments resulting from brain



damage. Focuses on the implications of various deficits on theories of normal language and cognitive processing and the functional organization of the brain.

Note: Expected to be given in 2004–05.

[*Psychology 1350. Memory and Amnesia: Seminar]

Catalog Number: 6014

Daniel L. Schacter

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

[*Psychology 1355. Behavioral Genetics]

Catalog Number: 6652 Enrollment: Limited to 35.

Half course (fall term). Hours to be arranged.

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).

Note: Expected to be given in 2004–05.

Prerequisite: Psychology 1 and Biological Sciences 25 or 80 or consent of instructor.

***Psychology 1358. Cognitive Neuroscience of Emotion**

Catalog Number: 4087 Enrollment: Limited to 20.

Mark G. Baxter

Half course (fall term). F., 2–4. EXAM GROUP: 7, 8

Studies the neural substrates of emotional behavior and the influence of emotion on cognition in humans and animals. Explores both brain activation in response to emotional experience, and abnormalities in emotion resulting from brain damage.

Note: Preference given to juniors in Mind/Brain/Behavior tracks. Open to graduate students.

Prerequisite: Biological Sciences 80.

[*Psychology 1450. Interpersonal Perception]

Catalog Number: 6921 Enrollment: Limited to 15.

Ken Nakayama

Half course (spring term). Hours to be arranged.

Explores the degree to which perception of other individuals is consistent, veridical and functional. Concentrates on major routes of information, including face, voice, and body in an attempt to understand the physical and biological basis of social-perceptual competence. Also looks at individual differences, including disorders of social perception.

Note: Expected to be given in 2004–05.



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 weekly 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 weekly section to be arranged. EXAM GROUP: 12

Examines identity, self-esteem, personal strengths, intrinsic engagement, performance standards, reward systems, and organizational cultures in shaping effective job matches and project-team participation. Reviews negotiation and decision-making strategies. Includes case studies and videos. Includes a new unit on leadership.

Note: 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, and an hour section to be arranged. EXAM GROUP: 6, 7

Compares legal and psychological approaches to human behavior and considers their interaction. Includes criminal profiling, trials and juries, insanity defense, eyewitness identification, commitment, child custody, human experimentation, punishment. Focuses on case studies and on research.

Note: Graduate/professional students and students who have taken Psychology S-1870 will not be admitted.

***Psychology 1552. Social Judgment**

Catalog Number: 6414

Nicholas Epley

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Investigates the psychological processes that guide human judgment in everyday life. Topics include heuristics and biases in social judgment, causal attribution, prediction and recollection, and metacognition.

Prerequisite: Psychology 1 and 15.

***Psychology 1557. Self and Identity: Seminar**

Catalog Number: 0491

Erin Driver-Linn



Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Examines what William James called “the most puzzling puzzle with which psychology has to deal.” Emphasizes social psychological research, draws on philosophy and other areas of psychology to address the following questions: (1) reflexivity - how does being the object of one’s own attention affect the structure of the self-concept? (2) constancy - how is the self-concept both fluid and stable? (3) relativity - how do relationships and cultures influence self-processes and vice versa?

***Psychology 1560r. Interpersonal Influence and Communication: Laboratory**

Catalog Number: 6494

Nalini Ambady

Half course (fall term). Hours to be arranged.

Laboratory course in interpersonal influence and communication. Students conduct independent research under the supervision of the instructor. All 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). Hours to be arranged.

Uses computer-aided procedures to analyze such texts as interviews, focus-group discussions, editorials, letters, sermons, lyrics, and corporate reports for themes reflecting emotional climate, motives, attitudes, cognitive styles, attributional tendencies, and perceived interpersonal relations. *Note:* Expected to be given in 2004–05. Open to undergraduate and graduate students outside of psychology.

[*Psychology 1564. Designs for a Positive Psychology: Seminar]

Catalog Number: 6442 Enrollment: Limited to 25.

Philip Stone

Half course (fall term). Hours to be arranged.

Topics include psychological research on self-esteem, intrinsic motivation, focus, flow, well-being, positive affect, gratitude, authenticity, humility, empathy, altruism, forgiveness, compassion, bonding, love, spirituality, discovery, creativity, wisdom, efficacy, resilience, mindfulness, hope, and meaningfulness.

Note: Expected to be given in 2004–05.

[*Psychology 1565. Conscious Will]

Catalog Number: 4113 Enrollment: Limited to 20.

Daniel M. Wegner

Half course (fall term). Hours to be arranged.

What causes the feeling that we cause our actions? Examines questions of free will vs. determinism, mind vs. body by probing anomalies of will, from phantom limbs and Ouija boards to hypnosis and spirit possession.

Note: Expected to be given in 2004–05. Preference given to undergraduate concentrators.

Prerequisite: Either Psychology 1 or Psychology 15.



***Psychology 1569. Psychosocial Aspects of HIV/AIDS**

Catalog Number: 6546 Enrollment: Limited to 15.

Michael R. Rodriguez

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Examines current literature on the impact of HIV and AIDS on individuals and communities. Using an interdisciplinary perspective, explores topics including prevention, bereavement, stigma, homophobia, collective identity, resilience, stress and coping, survivor guilt, and altruism.

Prerequisite: An introductory course in psychology or permission of the instructor.

***Psychology 1570. The Nature of Prejudice**

Catalog Number: 9939 Enrollment: Limited to 18.

Mahzarin R. Banaji

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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.

Prerequisite: Psychology 1, Psychology 15, Statistics 101, and any one of the following: Science B-44, Psychology 13, Psychology 16, or Biological Sciences 80.

Psychology 1601. Temperament and Personality: Developmental Issues

Catalog Number: 6255

Nancy C. Snidman

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Biological and environmental factors influence both our own and others’ perception of our temperament and personality. Examines the developmental issues and consequences of individual characteristics. Topics include historical and theoretical perspectives, the contributions of genetics, physiology, gender and culture, and possible links to psychopathology. Discussions focus on critical analysis and evaluation of relevant journal articles from animal and human research.

Psychology 1606. Language Acquisition

Catalog Number: 4632

Jesse Snedeker

Half course (fall term). Tu., Th., 10–11:30 and a weekly section meeting to be arranged. EXAM GROUP: 12, 13

Introduces theories of language acquisition. Topics include early speech perception; word learning; acquisition of phonology, morphology, and syntax; development of pragmatic and metalinguistic knowledge; developmental changes in language comprehension and production; and adult language processing.

Psychology 1607 (Formerly Psychology 1202 and Psychology 1604). Cognitive Development, Education, and the Brain

Catalog Number: 9014

Kurt W. Fischer (Education School) and Howard E. Gardner (Education School)



Full course (indivisible). M., W., 12–2. EXAM GROUP: 5, 6

An integrative survey of knowledge and research in cognitive development and neuroscience from infancy through early adulthood. Topics include normal cognitive and emotional development and brain development and their relation to learning and education.

Note: Offered jointly with the Graduate School of Education as HT 100.

***Psychology 1652r. Laboratory in Early Cognitive Development**

Catalog Number: 9913

Elizabeth S. Spelke

Half course (fall term; repeated spring term). Hours to be arranged.

An introduction to issues and methods in the study of cognition in human infants and young children. Students develop their own research projects, evaluate the ongoing and proposed projects of other students, and read and discuss papers on the development of perception and reasoning about objects, agents, space, and number.

Psychology 1701 (formerly Psychology 17). Personality Psychology

Catalog Number: 4538

Brian R. Little

Half course (spring term). Tu., Th., 2–3:30, and a weekly section 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 is 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. Human Sexuality

Catalog Number: 7683

Michael R. Rodriguez

Half course (spring term). M., W., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

Examines the development and expression of sexual behavior as a complex psychological, socio-cultural, biological, and historical phenomenon. Students 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 1704. Creativity: Geniuses, Madmen, and Harvard Students]

Catalog Number: 2386

Shelley H. Carson

Half course (fall term). Hours to be arranged.

We will address the developmental, biological, phenomenological, and social aspects of creativity, including the interface between creativity and psychopathology. Empirical literature and case studies of famous artists and scientists will enhance our understanding of creativity.

Note: Expected to be given in 2004–05.

[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 2004–05.

Prerequisite: Psychology 18.

[*Psychology 1803. Eating Disorders]

Catalog Number: 4992 Enrollment: Limited to 15.

Half course (spring term). Hours to be arranged.

Trains students to assess eating disorders and differentiate between normal and abnormal eating and weight control behaviors. Psychometric properties of self-report and structured interview assessments covered.

Note: Expected to be given in 2004–05. May not be taken Pass/Fail.

Prerequisite: An introductory course in psychology.

Psychology 1808. Neurobiological Aspects of Psychopathology

Catalog Number: 9917

Diego Pizzagalli

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A neurobiological perspective to the study of psychopathology. Integrates anatomical, chemical, and electrical data to characterize affective and cognitive dysfunctions. Includes sections on neuroanatomy, animal models, and current evidence on the neuroanatomical basis of psychopathology.

Prerequisite: Psychology 18 or Biological Sciences 80 recommended.

[*Psychology 1851. Introduction to Clinical Science]

Catalog Number: 6392 Enrollment: Limited to 15.

Jill M. Hooley

Half course (fall term). Hours to be arranged.



Extends 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.

Note: Expected to be given in 2004–05.

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 (fall term). Tu., 1–3. EXAM GROUP: 15, 16

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.

Prerequisite: Psychology 18.

***Psychology 1855. Mood Disorders**

Catalog Number: 6867

Diego Pizzagalli

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

We examine current theory and research on the etiology, phenomenology, and treatment of mood disorders, particularly depressive disorders. Cognitive, behavioral, and biological approaches are emphasized.

Prerequisite: Psychology 18.

[*Psychology 1860. Methods of Research in Psychopathology]

Catalog Number: 2549 Enrollment: Limited to 18.

Shelley H. Carson

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

Prerequisite: Psychology 18 and Statistics 100, 101, 102, or 104.

Psychology 1861. Developmental Psychopathology: Seminar

Catalog Number: 1325 Enrollment: Limited to 20.

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 1900. Introduction to Statistics for the Behavioral Sciences**

Catalog Number: 4016

Matthew K. Nock

Half course (spring term). M., W., at 10 and a weekly lab section to be arranged. EXAM GROUP: 3

Application of statistical description and inference to the analysis of experimental data: displaying, describing, and transforming samples; linear regression; the language of probability and statistical inference; the most common statistical tests; confidence limits; analysis of variance with two fixed factors.

Note: Open to freshmen with permission of instructor.

Psychology 1901. Methods of Behavioral Research

Catalog Number: 3811

Nancy C. Snidman

Half course (fall term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

Theoretical and practical introduction to planning, conducting, reporting, and evaluating research in the social and behavioral sciences. Topics include experimental design, reliability and validity, experimental artifacts, and analysis of published research.

Prerequisite: Statistics 100, 101, 102, or 104 or the equivalent.

Psychology 1951. Intermediate Quantitative Methods

Catalog Number: 8674

Lee Baer (Medical School)

Half course (fall term). M., W., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

Emphasizes analysis of variance designs and contrasts for applied behavioral research.

Additional topics include reliability, validity, correlation, effect size, and meta-analysis.

Prerequisite: Statistics 100, 101, 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

Emphasizes multiple regression analysis and factor analysis. Additional topics include multivariate analysis of variance, analysis of covariance, discriminant analysis, and logistic regression.

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 171. Narrative and Neurology

[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

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

Patrick Cavanagh 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

Jill M. Hooley

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Advanced survey of current topics in experimental psychopathology.

Note: Required for first-year or second year graduate students in the psychopathology area. Aimed at PhD students.

***Psychology 2050. History of Psychology: Seminar**

Catalog Number: 3378

Richard J. McNally

Half course (spring term). M., 4–6. EXAM GROUP: 9

Covers major issues, theories, schools of thought, and controversies integral to the development of psychology from the late 19th century to the middle of the 20th century. Readings include classic articles exemplifying these themes.

Note: Undergraduates admitted with permission of instructor.

***Psychology 2100. Research Methodology**

Catalog Number: 8552

J. Richard Hackman

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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.

Note: Offered jointly with the Business School as 4080. Limited to doctoral students.

***Psychology 2120. Conceptual Development: Advanced Methods Seminar**

Catalog Number: 8920

Susan E. Carey

Half course (fall term; repeated spring term). Hours to be arranged.

Students participate in research on conceptual development and language acquisition. Each student has responsibility for a project. Weekly meeting to discuss assigned readings relevant to ongoing projects. Ten hours a week commitment (includes lab meeting).

***Psychology 2170. Developmental Proseminar**

Catalog Number: 6883

Elizabeth S. Spelke

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Proseminar in conceptual development and language acquisition.

Note: Open to all graduate students in the department; required of all first-year students in the Psychology Department Developmental Program. Open to others by permission of the instructor.

***Psychology 2180. Concepts and Theories: Computational Models**

Catalog Number: 5200

Susan E. Carey

Half course (fall term). W., 7–10 p.m. EXAM GROUP: 9

Introduction to computational theories of cognition, with a focus on the structure and acquisition of concepts and intuitive theories.

Note: Held every other week at MIT.

Prerequisite: A course in cognitive science and a course in probability or statistics.

[*Psychology 2190. Topics in Language Acquisition]

Catalog Number: 2529

Jesse Snedeker

Half course (spring term). Hours to be arranged.

Examines basic issues in the development of language. Focuses on mid-level language: word segmentation, word learning, the development of basic clausal syntax, and the interaction between language acquisition and language processing.

Note: Expected to be given in 2004–05.

***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). W., 2:30–4. EXAM GROUP: 7, 8

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). W., 2:30–4. EXAM GROUP: 7, 8

Research seminar open to graduate students and advanced undergraduates conducting research in cognitive development.

[*Psychology 2253r. Behavioral Neuroscience: Research Seminar]

Catalog Number: 1146

Mark G. Baxter

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2004–05. Limited to graduate students and undergraduates involved in research in the instructor's laboratory.

[*Psychology 2260. Advanced Topics in Psychopharmacology]

Catalog Number: 6577

Half course (spring term). Hours to be arranged.

The course will focus on a selection of current and historical issues in behavioral pharmacology. Weekly discussions will be focused on a single topic and will be based on readings from the literature.

Note: Open to graduate students and undergraduates who have had an exposure to psychopharmacology.

Prerequisite: Psychology 1201 or consent of instructor.

***Psychology 2270. Research in Language Acquisition**

Catalog Number: 0770

Jesse Snedeker

Half course (spring term). F., 3–4:30. EXAM GROUP: 8, 9

Research seminar open to graduate students and advanced undergraduates conducting research in language acquisition.

***Psychology 2300r. Perception, Cognition, and Representation: Seminar**

Catalog Number: 8369

Patrick Cavanagh

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

Discussion of issues in perception, attention, and cognition.

Note: Open to undergraduates with permission of instructor.

[*Psychology 2310. The Neuroscience of Law: Can a Legal System be Grounded in Knowledge about the Brain?]

Catalog Number: 8722 Enrollment: Limited to 20.

Stephen M. Kosslyn and Alan Dershowitz (Law School)

Half course (spring term). Hours to be arranged.

Can a legal system be based on knowledge of the brain? Discusses implications of neuroscience on the characterization of human nature, the relation between genes, brain, and social



interactions, and determination of right vs. wrong.

Note: Expected to be given in 2004–05. Preference given to upper-level undergraduates and to graduate students. Offered jointly with the Law School as 44041-31.

***Psychology 2320. Applying fMRI to Cognitive Research**

Catalog Number: 5380

Yuhong Jiang

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

Covers basic fMRI methods in cognitive neuroscience research. Topics include experimental design, basic data analysis and regions-of-interest analysis. Readings will include recent fMRI studies on human attention, perception, and memory.

Note: Open to undergraduates with permission of instructor.

***Psychology 2330. Cognitive Psychology and Neuroscience: Research Seminar**

Catalog Number: 0503

Yuhong Jiang

Half course (fall term; repeated spring term). Fall: F., 2–4; Spring: W., 2–4. EXAM GROUP: 7, 8

Covers basic research skills (experimental design, programming, statistics) as well as advanced topics on attention and memory.

Note: Limited to graduate and undergraduate students involved in research in the instructor's laboratory.

[*Psychology 2335r. Language: Research Seminar]

Catalog Number: 5121

Alfonso Caramazza

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2004–05. Open to graduate and undergraduate students involved in research in language.

***Psychology 2345. Topics in Language Research: Linguistic, Cognitive, and Neural Aspects**

Catalog Number: 6215

Alfonso Caramazza

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Focuses on recent issues in language processing. Research findings from various areas and different approaches are considered, including neuroimaging studies, cross-linguistic investigations, aphasia research, and bilingualism.

Note: Open to undergraduates with permission of instructor.

***Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar**

Catalog Number: 1119

Stephen M. Kosslyn

Half course (fall term; repeated spring term). Tu., at 3. EXAM GROUP: 17

Focuses on how to research visual cognition. Students learn to conduct experiments, including fundamentals of experimental design and data analysis. Concludes with formal presentation of research.



Note: Meets advanced methods requirement for undergraduates. Open to undergraduates with permission of instructor.

Prerequisite: Psychology 13 or Biological Sciences 80, plus statistics.

***Psychology 2358a (formerly *Psychology 3330a). Memory: Research Seminar**

Catalog Number: 0141

Daniel L. Schacter

Half course (fall term). F., at 12. EXAM GROUP: 5

Note: Limited to students involved in research.

***Psychology 2358b (formerly *Psychology 3330b). Memory: Research Seminar**

Catalog Number: 6989

Daniel L. Schacter

Half course (spring term). Hours to be arranged. EXAM GROUP: 5

Note: Limited to students involved in research.

[*Psychology 2400. Cognitive Psychology and Emotional Disorders]

Catalog Number: 6138 Enrollment: Limited to graduate students.

Richard J. McNally

Half course (fall term). Hours to be arranged.

Research and theory on the application of cognitive psychology methods applied to the understanding of anxiety and mood disorders.

Note: Expected to be given in 2004–05.

[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. Includes theoretical underpinnings of cognitive-behavioral therapy.

Note: Expected to be given in 2004–05. Limited to Harvard graduate students in clinical psychology.

***Psychology 2445. Psychotherapy Research**

Catalog Number: 1835

Matthew K. Nock

Half course (fall term). M., 6–8 p.m. EXAM GROUP: 9

Covers theories and research on psychotherapy and behavior change. Examines history of psychotherapy, methods for studying behavior change, and current issues in psychotherapy research: use of treatment manuals, study of efficacy/effectiveness, and evaluation of mechanisms/moderators of change.

Note: Open to undergraduates with permission of instructor.

***Psychology 2450. Affective and Social Neuroscience**

Catalog Number: 9796



Diego Pizzagalli

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Two emerging fields in neuroscience, affective and social neuroscience, will be reviewed. Through integration of human and animal data, the course will focus on mapping affect, motivation, and social cognition to brain function.

Note: Open to graduate students and advanced undergraduates with permission of instructor.

[*Psychology 2460. Diagnostic Interviewing]

Catalog Number: 4157 Enrollment: Limited to 12.

Jill M. Hooley

Half course (spring term). Hours to be arranged.

Students develop clinical interviewing and diagnostic skills using the Structured Clinical Interview for DSM-III-R and other instruments. Examines issues in diagnosis and assessment; provides exposure to psychopathology syndromes via tapes and clinical interviews.

Note: Expected to be given in 2004–05. Graduate students only.

Prerequisite: Psychology 2040.

Psychology 2461r. Developmental Psychopathology Research Seminar

Catalog Number: 8042

Matthew K. Nock

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to graduate and undergraduate students working on research in the instructor's laboratory.

***Psychology 2462. Diagnostic Interviewing: Practicum**

Catalog Number: 3840

Jill M. Hooley

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Offers students who have satisfactorily completed Psychology 2460 supervised experience in psychiatric diagnosis. Students will assess Axis I and Axis II disorders in clinical samples. Students will be required to travel to practicum site(s) to conduct interviews between class meetings.

Note: Graduate students only.

Prerequisite: Psychology 2040 and Psychology 2460.

[*Psychology 2470 (formerly *Psychology 3200). Clinical Psychophysiology]

Catalog Number: 5514

Half course (fall term). Hours to be arranged.

Our focus is the examination of the application of psychophysiological measures (ERPs, SC, HR and EMG) to research on psychopathological and normal populations.

Note: Expected to be given in 2004–05.

Prerequisite: Psychology 1802, 1807, 1856r or permission of instructor.

[*Psychology 2480. Human Neuropsychology/Neuroanatomy: Seminar]

Catalog Number: 4335



William P. Milberg (Medical School)

Half course (fall term). Hours to be arranged.

Introduction to the anatomical structure of the human brain. Emphasis on neuropsychological correlates and cortical representation of higher cognitive functions. Gross brain dissection laboratory and discussions of descriptive and theoretical aspects of clinical neuropsychological phenomena.

Note: Expected to be given in 2004–05. Preference given 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; repeated spring 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 given 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). M., W., at 10. EXAM GROUP: 3

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: Open to undergraduates with permission of instructor.

[*Psychology 2510. Mind Perception]

Catalog Number: 2481 Enrollment: Limited to 15.

Daniel M. Wegner

Half course (fall term). Hours to be arranged.

Examines how people perceive the thoughts, desires, emotions, and conscious experiences of others, and how such mind perception processes are also involved in self-understanding.

Note: Expected to be given in 2004–05. Open to seniors with permission of instructor.

[*Psychology 2525. Emotion: Social and Neuroscience Perspectives]

Catalog Number: 5594 Enrollment: Limited to 15.

Mahzarin R. Banaji

Half course (spring term). Hours to be arranged.

We examine social and neuroscience perspectives on emotion, with a focus on recent advances.

Note: Expected to be given in 2005–06.



***Psychology 2530r. Mental Control: Research Seminar**

Catalog Number: 2364

Daniel M. Wegner

Half course (fall term; repeated spring term). F., at 12. EXAM GROUP: 5

Note: Limited to graduate students and undergraduates involved in research in the instructor's laboratory.

***Psychology 2540. Implicit Social Cognition**

Catalog Number: 2213 Enrollment: Limited to 12.

Mahzarin R. Banaji

Half course (spring term). M., 4–6. EXAM GROUP: 9

The course will cover contemporary research on social cognition that occurs without conscious awareness, intention, and control. The topics will include analyses of self, other humans, and social groups.

Note: Open to all graduate students with preference given to the most senior; not open to undergraduates.

***Psychology 2580r. Affective Forecasting: Research Seminar**

Catalog Number: 4262

Daniel T. Gilbert

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to students working on research in the instructor's laboratory.

[*Psychology 2630. Social Behavior in Organizations: Seminar]

Catalog Number: 0991

J. Richard Hackman

Half course (fall term). Hours to be arranged.

Topics include how groups and organizations affect individual members and vice versa; interpersonal and group processes; work team effectiveness; power, political, and intergroup dynamics; group and organizational leadership.

Note: Expected to be given in 2004–05. Limited to doctoral students. Students are expected to attend the lectures of Psychology 1501.

***Psychology 2640r (formerly *Psychology 3450r). The Understand Seminar**

Catalog Number: 7865

Mahzarin R. Banaji

Half course (fall term; repeated spring term). Fall: M., 2–4; Spring: Tu., 6–8 p.m. EXAM GROUP: Fall: 7, 8; Spring: 18

Note: Open to graduate students involved in research in the instructor's laboratory, and to select juniors and seniors.

***Psychology 2650. Behavioral Approaches to Decision Making and Negotiation**

Catalog Number: 7147

Max H. Bazerman (Business School)

Half course (spring term). M., 3–6. EXAM GROUP: 8, 9

Research overview of behavioral decision making and decision analytic perspectives to



negotiation. Explores bounded rationality, decision biases, human decision making. Develops a behavioral decision perspective to negotiation, and examines how the field is currently evolving.
Note: Offered jointly with the Business School as 4420. Open to juniors and seniors in psychology and economics who are writing, or plan to write, a senior thesis.

***Psychology 2660r. Research Seminar in Mindfulness Theory**

Catalog Number: 4909

Ellen J. Langer

Half course (fall term; repeated spring term). Fall: Tu., 2–4; Spring: Tu., 3:30–5. EXAM GROUP: Fall: 16, 17; Spring: 17, 18

Mindlessness/mindfulness theory is compared/contrasted to relevant theories in social and cognitive psychology. Experimental research is required.

Note: Open to undergraduates writing theses with instructor.

***Psychology 2670a. Decision Making and Perceived Control I**

Catalog Number: 1193

Ellen J. Langer

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Decision theory and research (including predictability and control; risk-taking; learned helplessness; mindfulness) examined in applied contexts, with special focus on health.

Discussion centers on questions of if, when, why, and how people make decisions.

Note: Open to qualified undergraduates.

***Psychology 2670b. Decision Making and Perceived Control II**

Catalog Number: 3434

Ellen J. Langer

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The deeper theoretical and experimental issues pertaining to decision making and mindfulness, as defined in Psychology 2670a, are explored. Experimental research is required.

Note: Open to qualified undergraduates.

Prerequisite: *Psychology 2670a.

Psychology 2680. Applied Social Psychology: Seminar

Catalog Number: 1596

Philip Stone

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines attempts to apply social psychology to education, health, work life, product marketing, political campaigns, and law. Considers factors that determine whether an application “tips” into widespread use and endures as more than a fad.

Note: Open to undergraduates.

***Psychology 2690r. Self and Social Judgment: Research Seminar**

Catalog Number: 7990

Nicholas Epley

Half course (fall term; repeated spring term). Fall: Th., 1–3; Spring: M., at 11:30. EXAM GROUP: Fall: 15, 16; Spring: 4, 5



Note: Limited 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; repeated spring term). W. 4-5:30 on non-colloquia days. EXAM GROUP: 9

Addresses meta-level questions about practicing the science of psychology in graduate school. Graduate students and faculty guests discuss differences between areas of psychology and problems of professional development toward establishing productive, collegial cross talk.

Note: Open to undergraduates with permission of instructor.

***Psychology 2701. Advanced Topics in Human Assessment**

Catalog Number: 2391 Enrollment: Limited to 12.

Brian R. Little

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Surveys the theoretical, psychometric, and applied aspects of human assessment. Topics include individual differences, measurement, cognitive and action systems assessment, and research design issues. Spans areas including life-span developmental, personality/social, organizational, and clinical/health psychology.

[*Psychology 2900. Professional Ethics]

Catalog Number: 6702 Enrollment: Limited to graduate students.

Half course (spring term). Hours to be arranged.

Examines ethical principles and legal issues concerning applied psychology, particularly clinical psychology. The ethical dilemmas faced by psychologists in a variety of roles will be discussed, with a particular emphasis on practicing psychologists and academicians.

Note: Expected to be given in 2004–05.

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 (fall term only), Mahzarin R. Banaji 4258, Mark G. Baxter 1364 (fall term only), Alfonso Caramazza 1871 (on leave spring term), Susan E. Carey 4113, Patrick Cavanagh 2447, Nicholas Epley 3975 (on leave spring term), Daniel T. Gilbert 2359, J. Richard Hackman 1504, Marc D. Hauser 3347, Jill M. Hooley 1191, Yuhong Jiang 4646, Stephen M. Kosslyn 7836, Ellen J. Langer 4967, Brian R. Little 3925 (spring term only), Richard J. McNally 2978, Ken Nakayama 2558 (on leave 2003-04), Matthew K. Nock 4645, Steven Pinker 4733, Diego



Pizzagalli 4425, Daniel L. Schacter 2805, Jesse Snedeker 4118, Elizabeth S. Spelke 3850, Philip Stone 2275, and Daniel M. Wegner 3758

***Psychology 3020. Direction of Doctoral Dissertations**

Catalog Number: 4492

Members of the Department and others listed under Psychology 3010.

[*Psychology 3040. Clinical Psychology: Science and Practice]

Catalog Number: 0309

Jill M. Hooley 1191

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 2004–05. Required of and limited to Harvard doctoral students in clinical psychology.

***Psychology 3050. Clinical Practicum**

Catalog Number: 6299

Jill M. Hooley 1191, Richard J. McNally 2978, and Matthew K. Nock 4645

Students work in clinical settings locally and, under supervision, are directly involved in the treatment and clinical care of patients.

Note: Limited to Harvard doctoral students in clinical psychology.

***Psychology 3060. Multicultural Aspects of Clinical Treatment**

Catalog Number: 7321

Jill M. Hooley 1191

Focuses on the clinical management of patients from different cultural backgrounds and provides supervised experience in the treatment of such patients.

Note: Limited to students in clinical psychology.

***Psychology 3070. Clinical Assessment and Treatment Practicum**

Catalog Number: 4439

Jill M. Hooley 1191 and members of the Department

Half course (spring term). .

Faculty interview psychiatric inpatients to demonstrate establishing treatment alliances, gathering histories, and initial assessment. Group discussion will consider how theoretical principles are applied to clinical work.

Note: Limited to graduate students in clinical psychology.

[*Psychology 3080. Practicum in Clinical Neuropsychological Assessment]

Catalog Number: 3583

William P. Milberg (Medical School) 7912

Weekly seminar for advanced doctoral students in clinical psychology; uses a case conference format to discuss issues related to the administration and interpretation of neuropsychological tests. Emphasis placed on integrating scientific literature and methods into the process of clinical decision making.



Note: Expected to be given in 2004–05. Limited to Harvard doctoral students in clinical psychology.

Prerequisite: Psychology 2480 and 2482

***Psychology 3200. Research Seminar in Experimental Psychopathology/Clinical Psychology**

Catalog Number: 6455

Diego Pizzagalli 4425

Half course (fall term; repeated spring term). W., 4–5:30.

Provides a forum for presenting, discussing, and critically evaluating current research in experimental psychopathology/clinical psychology. Presenters include graduate students and faculty in experimental psychopathology/clinical psychology, as well as outside speakers.

Note: Attendance required for all students in Experimental Psychopathology/Clinical Psychology (first-, second-, and third-year graduate students are required to take this seminar for credit).

***Psychology 3250. Psychological Testing**

Catalog Number: 7164

Ellsworth Lapham Fersch 4114

Half course (fall term). Th., 4–6.

This weekly seminar for graduate students in clinical psychology is designed to provide basic skills in administering and interpreting standardized tests in the areas of intellectual assessment and personality assessment.

Note: Open to Harvard doctoral students in clinical psychology.

***Psychology 3340 (formerly *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). Th., 12–1:30.

Researchers in CBB, including graduate students, postdoctoral fellows, and faculty, present and discuss current research in cognitive science. Topics include memory, language, vision, mental imagery, concepts, animal and infant cognition, and related areas.

[*Psychology 3360. Current Topics in Vision and Sensory Processes]

Catalog Number: 0604

Ken Nakayama 2558 (on leave 2003-04)

Note: Expected to be given in 2004–05.

***Psychology 3420 (formerly *Psychology 3420r). Research Workshop in Social Psychology**

Catalog Number: 7610

Mahzarin R. Banaji 4258

Half course (fall term; repeated spring term). Tu., 12–1:30.

Provides a forum for the presentation, discussion, and critique of current research in social psychology. Presenters include graduate students and faculty in social psychology plus visitors.

Note: Required of first-year graduate students in social psychology in fall and spring; open to all other social psychology students in fall and spring.



***Psychology 3500. The Human Mind: Talking Points**

Catalog Number: 5341

Steven Pinker 4733

Half course (spring term). Th., 3:30–5:30.

A graduate companion course to “The Human Mind,” which explores the theories and controversies in greater depth. Topics include nature and nurture, reductionism, determinism, religion and science, consciousness, violence, politics, sex differences, and rationality.

Note: Enrollment is limited to teaching fellows for “The Human Mind” and graduate students who have obtained the permission of the instructor.

***Psychology 3550 (formerly *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). Hours to be arranged.

Note: Normally required of and limited to department graduate students who are first-time teaching fellows.

[*Psychology 3560. The Real World]

Catalog Number: 5482

Stephen M. Kosslyn 7836 and Patrick Cavanagh 2447

Half course (spring term). Hours to be arranged.

Orientation to the world after graduate school. Reviews basic survival skills, including those used immediately, such as teaching, and those needed for academic jobs, such as writing vitas, giving job talks, preparing grant proposals.

Note: Expected to be given in 2005–06. Limited to graduate students in psychology.

***Psychology 3610 (formerly *Psychology 2610r). Group Behavior and Performance: Research Seminar**

Catalog Number: 5748

J. Richard Hackman 1504

Half course (fall term; repeated spring term). W., 11–1.

Workshop on theory and methods that are relevant to the conduct of empirical research on purposive groups. Participation is restricted to students who are conducting such research.

***Psychology 3800. Psychometric Theory**

Catalog Number: 0607

Richard J. McNally 2978

Half course (fall term). M., 4–6.

Covers basic psychometric theory and methods essential for reliable and valid measurement.



Reliability, validity, and generalizability reviewed. Detailed survey of techniques used to create and evaluate a scale.

Public Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Policy

William W. Hogan, Lucius N. Littauer Professor of Public Policy and Administration (*Kennedy School*) (*Chair*)

Arthur I. Applbaum, Professor of Ethics and Public Policy (*Kennedy School*)

Christopher N. Avery, Professor of Public Policy (*Kennedy School*)

Mary Jo Bane, Thornton Bradshaw Professor of Public Policy and Management (*Kennedy School*)

Iris Bohnet, Assistant Professor of Public Policy (*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 T. 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*)

Sheila S. Jasanoff, Professor of Science and Public Policy (*Kennedy School, Public Health*)

Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)

Robert T. Jensen, Associate Professor of Public Policy (*Kennedy School*)

Steven Kelman, Albert J. Weatherhead III and Richard W. Weatherhead Professor of Public Management (*Kennedy School*)

Sanjeev Khagram, Assistant Professor in Public Policy (*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*)

Monica D. Toft, Assistant Professor of Public Policy (*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*)

François Bovon, Frothingham Professor of the History of Religion (*Divinity School*) (*Director of ThD Studies*)

Davíd L. Carrasco, Neil L. Rudenstine Professor of the Study of Latin America in the Faculty of Divinity and the Faculty of Arts and Sciences

Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy

Diana L. Eck, Professor of Comparative Religion and Indian Studies (*on leave spring 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 (*University of Arizona*)

Peter J. Gomes, Plummer Professor of Christian Morals (*Divinity School*)

William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)

Jo Ann Hackett, Professor of the Practice of Biblical Hebrew and Northwest Semitic Epigraphy



(Director of PhD Studies)

Richard G. Heck, Jr., Professor of Philosophy

Karen L. King, Professor of New Testament Studies and the History of Ancient Christianity

(Divinity School)

Anne Elizabeth Monius, Assistant Professor of South Asian Religious Traditions *(Divinity School)*

Robert A. Orsi, Charles Warren Professor of History of Religion in America *(Divinity School)*

Parimal G. Patil, Assistant Professor of the Study of Religion and of Sanskrit and Indian Studies

Ronald Thiemann, John Lord O'Brian Professor of Theology *(Divinity School)*

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies

Christopher G. White, Lecturer on the Study of Religion, Tutor in Quincy House *(Head Tutor)*

Other Faculty Offering Instruction in the Study of Religion

Leila Ahmed, Professor of Women's Studies in Religion *(Divinity School)*

Ellen Aitken, Assistant Professor of New Testament *(Divinity School)*

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures, Associate of Lowell House

Ann D. Braude, Senior Lecturer in American Religious History *(Divinity School)*

Sarah Coakley, Edward Mallinckrodt, Jr. Professor of Divinity *(Divinity School) (on leave spring term)*

Nicholas P. Conostas, Associate Professor of Theology *(Divinity School)*

Harvey G. Cox, Jr., Victor S. Thomas Professor of Divinity *(Divinity School)*

Arthur J. Dyck, Mary B. Saltonstall Professor of Population Ethics *(Public Health and Divinity School)*

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature *(on leave spring term)*

Marla F. Frederick, Assistant Professor of African and African American Studies and of the Study of Religion

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society *(on leave 2003-04)*

Jay M. Harris, Harvard College Professor and Harry Austryn Wolfson Professor of Jewish Studies

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore

Christine M. Helmer, Visiting Assistant Professor of Theology *(Divinity School)*

Albert Henrichs, Eliot Professor of Greek Literature

William R. Hutchison, Charles Warren Professor of the History of Religion in America, Emeritus *(Divinity School)*

Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology *(FAS)* and Professor of Psychiatry and Medical Anthropology *(Medical School)*

Helmut H. Koester, John H. Morison Professor of New Testament Studies and Winn Professor of Ecclesiastical History Emeritus *(Divinity School)*

David Lamberth, Associate Professor of Theology *(Divinity School)*

Jon D. Levenson, Albert A. List Professor of Jewish Studies *(Divinity School)*

Thomas A. Lewis, Assistant Professor of Christian Studies



David Little, T. J. Dermot Dunphy Professor of the Practice in Religion, Ethnicity, and International Conflict (*Divinity School*)
 Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages
 Kevin J. Madigan, Assistant Professor of the History of Christianity (*Divinity School*)
 Everett I. Mendelsohn, Professor of the History of Science
 David G. Mitten, James Loeb Professor of Classical Art and Archaeology
 Roy Mottahedeh, Gurney Professor of History (*on leave spring term*)
 Laura S. Nasrallah, Assistant Professor of New Testament and Early Christianity (*Divinity School*)
 Brian C. W. Palmer, Lecturer on the Study of Religion
 Kimberley C. Patton, Associate Professor in the Comparative and Historical Study of Religion (*Divinity School*)
 Patrick Provost-Smith, Assistant Professor of the History of Christianity (*Divinity School*)
 Christopher S. Queen, Lecturer on the Study of Religion
 Elisabeth Schüssler Fiorenza, Krister Stendahl Professor of Divinity (*Divinity School*) (*on leave fall term*)
 Eugene Sheppard, Visiting Assistant Professor of the Study of Religion
 P. Oktor Skjaervo, Aga Khan Professor of Iranian
 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
 Preston N. Williams, Houghton Professor of Theology and Contemporary Change, Emeritus (*Divinity School*)

Courses listed in this section are offered by the Committee on the Study of Religion and by various departments. The Committee is responsible for the program of concentration for undergraduates in the Comparative Study of Religion and for the program of studies leading to the PhD in The Study of Religion. Undergraduate concentrators may, with the prior approval of the Head Tutor, take courses offered by other departments and by the Divinity School for credit toward concentration requirements. Candidates for higher degrees also should consult other sections of this catalog relevant to their programs and the catalog of the Divinity School. Cross registration is required for all Divinity School courses. Many courses have separate requirements for undergraduate, masters, and doctoral students, and wherever possible also have separate discussion sections.

Courses numbered 10–999 are Primarily for Undergraduates; 1000–1999, For Undergraduates and Graduates; and 2000–2999, Primarily for Graduates. Courses are distributed according to their last three digits in the following sections:

000–099 General: Comparative and Methodological

100–199 Ancient Near Eastern and Israelite

200–299 Judaic

300–349 Greek, Hellenistic, and Roman



350–399 Iranian and Central Asian

400–499 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

Christopher G. White

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 97a. Tutorial - Sophomore Year**

Catalog Number: 2313

Diana L. Eck and assistants

Half course (fall term). Tu., Th., 2–3:30; Th., 2–3:30; Tu., 1:30–3. EXAM GROUP: 16, 17

Note: Required of concentrators.

***Religion 97b (formerly *Religion 97). Tutorial — Sophomore Year**

Catalog Number: 7608

Christopher G. White and assistants

Half course (spring term). W., 3–5:30. EXAM GROUP: 8, 9

Note: Required of concentrators.

***Religion 98a. Tutorial — Junior Year**

Catalog Number: 2832

Christopher G. White 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

Christopher G. White and assistants

Half course (fall term; repeated spring term). Fall: W., 3–5; Spring: Tu., 3–5. EXAM GROUP:

Fall: 8, 9; Spring: 17, 18

Note: Required of concentrators.

***Religion 99. Tutorial — Senior Year**

Catalog Number: 6498

Christopher G. White

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 2004–05. Offered jointly with the Divinity School as 3220.

[Religion 12 (formerly Religion 1025). Ritual and the Religious Life: A Thematic Introduction to Religion]

Catalog Number: 5239

Lawrence E. Sullivan (Divinity School)

Half course (spring term). Hours to be arranged.

An exploration of the nature, structure, and meaning of ritual act and ritual language in human religious life, drawing materials from a variety of religious traditions. Consideration of meditation, the yearly cycle of festivals, and the rites of the life cycle from birth to death.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3320.



Religion 14. Comparative Religious Ethics

Catalog Number: 1787

Anne Elizabeth Monius (Divinity School)

Half course (spring term). M., W., at 11. EXAM GROUP: 4

A comparative examination of conceptions of the moral self and ways of thinking and acting ethically within the framework of three religious traditions: Hinduism, Buddhism, and Christianity. These issues are explored in part through examination of a number of contemporary moral problems making use of a wide range of sources, including ethnographies, narratives, prescriptive codes, and the works of contemporary ethicists from each tradition.

Note: Offered jointly with the Divinity School as 3409.

Religion 42. The Christian Bible and Its Interpretations

Catalog Number: 5870

Peter J. Gomes (Divinity School)

Half course (fall term). W., F., at 11, and an hour to be arranged. EXAM GROUP: 4

Introduction to the Christian conception of scripture from the closing of the Canon to the Fundamentalist/Modernist controversy. Topics considered include the relationship of scripture to tradition, appropriation of Hebrew scripture, exegetical and hermeneutical theories, and scripture and culture. Particular attention paid to the development of theories of scriptural authority and their social consequences within the Western Christian experience and American Protestantism.

Note: Offered jointly with the Divinity School as 1210.

Cross-listed Courses

[Foreign Cultures 12. Sources of Indian Civilization]

Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies

General: Comparative and Methodological

For Undergraduates and Graduates

Religion 1001. Ethnographic Imaginations

Catalog Number: 0156

Brian C. W. Palmer

Half course (fall term). Tu., 3–5, and an hour to be arranged. EXAM GROUP: 17, 18

Offers a multi-media introduction to the creation of accounts of other people's lives. Texts include Robert Coles' "Doing Documentary Work" as well as studies of South Bronx children, Alabama tenant farmers, California seniors, a Greek intellectual, and a Moroccan laborer. Lectures, films, and in-class interviews with innovative ethnographers prepare students to undertake collaborative fieldwork projects in the local area. Writing exercises encourage experimentation in diverse ethnographic genres as well as the development of a dependable personal voice.

Note: Offered jointly with the Divinity School as 4705.

[Religion 1003. The Study of Lived Religion: Seminar]

Catalog Number: 3325 Enrollment: Limited to 20.



Robert A. Orsi (Divinity School)

Half course (spring term). Hours to be arranged.

A critical examination of efforts among scholars of history, culture and religion over the past century to study religious practices, understandings, and imaginings as they emerge within and engage the circumstances of everyday life in particular times and places. Attention paid both to classical works in this developing tradition and contemporary research.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 2307.

[Religion 1004. Religious Dimensions in Human Experience]

Catalog Number: 9089

David L. Carrasco

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3160.

Religion 1007. Religion in Multicultural America

Catalog Number: 8833 Enrollment: Limited to 15.

Diana L. Eck

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An exploration of the dynamic multi-religious landscape of the United States. Special focus on the Muslim tradition and on Asian American traditions—Hindu, Buddhist, Sikh, and Jain. How are these traditions changing in the American environment and how is America changing as we struggle with civic, constitutional, and theological issues, especially in the post-9/11 period?

Note: Offered jointly with the Divinity School as 3847.

Religion 1010. The Deep: Purity, Danger, and Metamorphosis

Catalog Number: 9495 Enrollment: Limited to 15.

Kimberley C. Patton (Divinity School)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Reflecting upon the supernatural constructions of natural elements in lived religion, this comparative course examines metaphysical, mythical, and ritual responses to the sea, including its multiple and conflicting roles as arena of pilgrimage, catharsis, primordial generation, rebirth, desolation, or apocalypse.

Note: Offered jointly with the Divinity School as 3817.

Religion 1012a. Dreams and the Dreaming

Catalog Number: 5216

Kimberley C. Patton (Divinity School)

Half course (fall term). W., 1–3, and an hour to be arranged. EXAM GROUP: 6, 7

We 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. Theories of dreams, the history of dream interpretation, and dreams in myth and ritual will be examined cross-culturally; also considers the relevance of current research in the psychology and neurobiology of dreams with respect to relevance for the theological and spiritual dimensions of human dreaming.

Note: Offered jointly with the Divinity School as 3315a.

Religion 1012b. Dreams and the Dreaming

Catalog Number: 5697

Kimberley C. Patton (Divinity School)

Half course (spring term). W., 1–3, and an hour to be arranged. EXAM GROUP: 6, 7

A continuation of Religion 1012a.

Note: Offered jointly with the Divinity School as 3315b. It is not necessary to have taken Religion 1012a/HDS 3315a to take Religion 1012b/HDS 3315b.

[Religion 1017. New Religious Movements and Society: Conference Course]

Catalog Number: 8082

Helen Hardacre

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3810.

[Religion 1019. Science and the Spiritual Quest]

Catalog Number: 5596

Lawrence E. Sullivan (Divinity School)

Half course (spring term). Hours to be arranged.

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. The instructor draws on multiple religious traditions and spiritual perspectives to focus on the spiritual quest in an age marked by science.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3319.

Separate sections for undergraduates, master's students and doctoral students. Assignments for doctoral and master's students include historical and philosophical dimensions.

Religion 1024. Tomb, Relic, and Transcendence: Seminar

Catalog Number: 6792 Enrollment: Limited to 15.

Kimberley C. Patton (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

This seminar deals with the paradoxical tension in some religious traditions (ancient Greek, Christian, Islamic, and Buddhist) between doctrines of transcendence and practices of incarnation through the “powerful dead.” Through the lens of current theory and historical research, we examine the veneration of sacred remains: the bodies or relics of dead heroes, saints, and holy men and women, and the associated religious efficacy of their shrines and tombs.

Note: Offered jointly with the Divinity School as 3814.



[Religion 1027. Weeping in the Religious Imagination:Seminar]

Catalog Number: 4305 Enrollment: Limited to 15.

Kimberley C. Patton (Divinity School)

Half course (spring term). Hours to be arranged.

This seminar examines in social and historical context the role of tears, weeping, and lamentation in the religious imagination, including non-spontaneous weeping and “spiritual tears.” Traditions studied will include ancient and modern Greek, classical Aztec, early and medieval Japanese, Hassidic, and Eastern Christian. We will also read selected sociological and theological works on weeping, and attempt to generate theoretical grounds for approaching the category of weeping in the study of religion.

Note: Expected to be given in 2005–06. Offered jointly with the Divinity School as 3821.

Religion 1035. Religion and Latin American Imaginations

Catalog Number: 7784

David L. Carrasco

Half course (fall term). Tu., Th., at 11, and an hour to be arranged. EXAM GROUP: 13

We examine diverse religious experiences and expressions of Latin American and Latino/a cultures focused by the categories of sacred space, ritual performance, charisma and transculturation. A tour of Mesoamerican pyramids, Aztlan, Andean huacas, Catholic missions, Santeria, Candomblé, revolutionary heroes, Caribbean poetry, Marian devotions, Niño Fidencio, mestizaje, and political movements through visual arts, writings and music. Readings, art and music include Gabriel García Márquez, Gloria Anzaldúa, Alma Guillermoprieto, Doris Sommer, Lezama Lima, Dr. Loco, Fridha Kahlo, John Santos.

Note: Offered jointly with the Divinity School as 3161.

[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)

Half course (spring term). Hours to be arranged.

A discussion of selected topics with the aim of illustrating, and examining the distinctive modes of thinking in science, religion, philosophy and law. Topics vary but include some of the following: line-drawing and classification; beginnings and endings of life; effects and side-effects; explanation and contingency; free will; biological and genetic explanations of behavior; legal punishment; discrimination and affirmative action; race, ethnicity and nationality; gender; textual interpretation; realism and perspectivism; animal rights.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 2480 and with the Law School as 47200-31.

Religion 1056. The Making of Human Sacredness: Seminar

Catalog Number: 0547 Enrollment: Limited to 10.

Brian C. W. Palmer

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Whether or not one considers people sacred in an absolute sense, one can analyze the cultural construction of human sacredness. What is it about the human being that is made inviolable, and how is that collective work accomplished, contested, and sometimes undone? We explore such



questions by examining political and religious rituals, human-rights declarations, and the workings of general-welfare societies, as well as literature and film.

Religion 1063. South Asian Religious Aesthetics: Seminar

Catalog Number: 8607 Enrollment: Limited to 15.

Anne Elizabeth Monius (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

An examination of South Asian theories of aesthetics and their relevance for understanding Hindu, Buddhist, and Jain discourses of ethics, literature, and theology.

Note: Offered jointly with the Divinity School as 3925.

Prerequisite: Previous coursework in the religious history of South Asia

[Religion 1069. Christianity in India: Seminar]

Catalog Number: 9613 Enrollment: Limited to 15.

Anne Elizabeth Monius (Divinity School)

Half course (fall term). Hours to be arranged.

An intensive examination of Christian thought and practice in South Asia, from the memoirs of sixteenth-century European missionaries to the political activism of modern Dalit liberation theologians. Emphasis throughout will be placed on the ways in which productive encounters among Christians and Hindus have shaped both Christianity and Hinduism, as well as the role that gender and social location play in the envisioning and enactment of Christian life in India.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 2679.

[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 2004–05. Offered jointly with the Divinity School as 2505.

Religion 1076. Fundamentalisms

Catalog Number: 8243

Harvey G. Cox, Jr. (Divinity School)

Half course (spring term). Th., 1–3 and hour to be arranged. EXAM GROUP: 15, 16

A comparative investigation of ultra-conservative movements within five different religious traditions: Jewish “Settler” theology; Roman Catholic cases such as Opus Dei; Protestant Christian Zionism; Islamic radicalism (Hamas); and Hindu Revitalization efforts.

Note: Offered jointly with the Divinity School as 2511.

Cross-listed Courses



Anthropology 132. Anthropology of Religion

Celtic 107. Early Irish History

[Celtic 150. Celtic Paganism]

[Comparative Literature 112. Religion and Literature in the Middle Ages]

***Folklore and Mythology 97b (formerly *Folklore and Mythology 103). Oral Literature and the History of Folkloristics**

Indian Studies 118. Indian Philosophy: Advanced Introduction

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

Robert A. Orsi (Divinity School)

Half course (fall term). M., 4–6. EXAM GROUP: 9

Methodological anxieties in contemporary religious studies, the new historical self-consciousness, the public role and responsibility of religious scholarship, the ethnographic turn, and the study of religious violence. At stake: what is a scholar of religion?

Note: Limited to first-year doctoral students.

***Religion 2002. Major Themes in the Study of Religion: Seminar**

Catalog Number: 0803

David L. Carrasco

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 2040. Religion and Human Rights]

Catalog Number: 8115

David Little (Divinity School)

Half course (spring term). Hours to be arranged.

We consider the legal, historical, theoretical, and practical connections between religion and human rights. Debates over universality, particularly in relation to religious freedom and nondiscrimination, are given special attention. Recent theoretical and empirical work, particularly in Asia, Africa, the Middle East, and Europe, is taken up.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 2800.

Religion 2041. Conscience and Its Freedom: Seminar

Catalog Number: 7093

David Little (Divinity School)

Half course (spring term). Th., 10–12. EXAM GROUP: 12, 13

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: Offered jointly with the Divinity School as 2810.

Religion 2042. Religion, Nationalism, and Peace

Catalog Number: 7857

David Little (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The literature on nationalism and ethnicity as it bears on conflict, with special focus on the role of religion, in cases such as Sri Lanka, Sudan, Northern Ireland, Israel, the Palestinian Authority, and Bosnia. Attention to how religion may function constructively.

Note: Offered jointly with the Divinity School as 2812.

[Religion 2043. Religion, Justice, and Peace]

Catalog Number: 9558

David Little (Divinity School)

Half course (fall term). Hours to be arranged.

Assesses four areas of inquiry: how peace agreements are made, how they are implemented, how they are enforced, and how conditions congenial to peace are cultivated. The problems of justice posed by attempting to enforce or build peace.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 2814.

Religion 2050. Medicine and Religion: Seminar

Catalog Number: 5000 Enrollment: Limited to 30.

Arthur Kleinman and Sarah Coakley (Divinity School)

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

An interdisciplinary course that aims to create a critical conversation between medicine and religion. Examines core questions concerning popular religious responses to health problems, the place that religion plays in decision-making concerning end-of-life care, bereavement, pastoral counseling in the hospital, spirituality as part of mind-body interactions, and the everyday work of health professionals.

Note: Offered jointly with the Divinity School as 2437.

Prerequisite: Clinical pastoral education or some other experience with hospitals preferred.

Graduate Courses in Reading and Research

***Religion 3005. Doctoral Colloquium in Religion, Gender, and Culture**

Catalog Number: 8016

Leila Ahmed (Divinity School) 3308

Half course (fall term). Hours to be arranged.

Note: Required for all pre-Generals doctoral students as well as for those admitted as ThM students in Religion, Gender and Culture. Highly recommended for MTS and MDiv students who intend to apply to the RGC program or plan to concentrate in their studies on women's-gender-feminist studies. Offered jointly with the Divinity School as 2690.



***Religion 3007. Religion and Society Colloquium**

Catalog Number: 5355 Enrollment: Limited to 15.

Ronald Thiemann (Divinity School) 3395

Half course (spring term). M., 11–1.

Topic for 2003-04: “Theologies and Democratic Theory.” Examines the relationship between theology and democratic theories of various types.

Note: Required for all doctoral candidates prior to their general examination in Religion and Society. Also open to a limited number of qualified master’s-level students upon application. Offered jointly 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 135. Biblical Theology: Hebrew Bible]

[***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 2005–06. 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 2005–06. Offered jointly with the Divinity School as



1667b/3667b.

Prerequisite: Religion 1212a.

Religion 1251. The History and Ideas of Jewish Nationalism and Zionism: Seminar

Catalog Number: 7719 Enrollment: Limited to 20.

Eugene Sheppard

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Examines Jewish nationalism and Zionism as diverse cultural, intellectual, and political movements within the context of modern Jewish and European history. We trace the origins of the Jewish national idea and study its many transformations during Enlightenment, Emancipation, and the rise of competing European nationalisms. Readings mostly focus on pre-State history.

Note: Offered jointly with the Divinity School as 3655.

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 174. Political Thought: Late Antiquity through the Middle Ages

Jewish Studies 111. Modern Jewish Thought

[Jewish Studies 122. Introduction to Rabbinic Literature]

Jewish Studies 124 (formerly Hebrew 179). Circumcision and Jewish Identity

Greek, Hellenistic, Roman

For Undergraduates and Graduates

Religion 1315. Prophecy, Ecstasy, and Dreams in Early Christian History

Catalog Number: 7435

Laura S. Nasrallah (Divinity School)

Half course (fall term). M., W., at 11 and an hour to be arranged. EXAM GROUP: 4

In the Greco-Roman world, prophecies, ecstasies, and dreams were considered important ways in which the divine communicated with humans. We explore the history of early Christian debates over prophecy and ecstasy and places them within a broader context. We read various philosophical, theological, novelistic, and political texts from the first century BCE through the fourth century CE. We address questions of how these debates over prophecy and ecstasy



connect with issues of power, gender, anthropology, socioeconomics, and religious identity.

Note: Offered jointly with the Divinity School as 1546.

Cross-listed Courses

Literature and Arts C-14. Concepts 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 G. 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 2004–05. 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

Karen L. King (Divinity School)

Half course (spring term). Tu., Th., 10–11:30, and an hour to be arranged. EXAM GROUP: 12, 13

Investigates the processes by which a selection of early Christian literature was constructed as scripture and canon out of the diverse forms of ancient Christianity, examines historical-critical approaches that attempt to interpret the books of the New Testament in their first- and second-century contexts, and examines the contemporary contexts out of which students interpret New Testament literature.

Note: Offered jointly with the Divinity School as 1202.

Religion 1409. The New Testament, Biblical Studies, and Empire: Seminar

Catalog Number: 3075 Enrollment: Limited to 15.

Laura S. Nasrallah (Divinity School)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

The intersection of the New Testament and postcolonial theory. We shall study not only the Roman imperial context in which the New Testament was written, but also nineteenth and



twentieth century approaches to the Bible, and the way in which their sometimes orientalizing enterprises constructed the field of biblical studies. Special attention paid to biblical archaeology, quests for the historical Jesus, and the academic institutionalization of biblical studies.

Note: Offered jointly with the Divinity School as 1887.

Religion 1411. Saints, Sanctity and Society in Ancient and Medieval Christianity

Catalog Number: 6249 Enrollment: Limited to 15.

Kevin J. Madigan (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

An historical introduction to the field of Christian hagiography. Topics include interpretive method, martyrdom and sanctity, sanctity and monasticism, shrines and pilgrimage, gender and sanctity, relics and veneration, canonization and the politics of sanctity. Some attention given to Jewish martyrology and parallels in other world religions, including Hinduism and Buddhism.

Note: Offered jointly with the Divinity School as 2233.

[Religion 1412. Christian Lives]

Catalog Number: 4544

Harvey G. Cox, Jr. (Divinity School)

Half course (spring term). Hours to be arranged.

Beginning with its founder, Christianity has always been a religion that makes its message known through personality. We draw on biography and autobiography to trace the history of Christianity and its central teachings from the ancient to the modern period. The first half of the course includes St. Augustine, St. Teresa of Avila, St. Francis of Assisi, and Martin Luther. We consider such modern representatives as Dietrich Bonhoeffer, Martin Luther King, Jr., and Dorothy Day. Through frequent short reports students study these figures in their socio-cultural contents, and to look for parallels to their own.

Note: Expected to be given in 2005–06. Offered jointly with the Divinity School as 2509.

Religion 1416. Feminist Biblical Interpretation

Catalog Number: 3002

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (spring term). Tu., 1–3; section Tu., at 12. EXAM GROUP: 15, 16

A basic introduction to the emerging field of feminist biblical studies. We discuss different hermeneutical approaches, methods of interpretation, and theoretical perspectives. Special attention is given to historical interpretation and the significance of feminist hermeneutics for contemporary theological reflection and education for ministry. Lectures, group discussions, and presentations seek to foster a participatory style of learning.

Note: 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). Th., 3–5, and an hour to be arranged. EXAM GROUP: 17, 18

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); discussion of the developments from the oral traditions about Jesus to their written fixation and of the



theological and communal concerns that influenced this process

Note: Offered jointly with 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 (spring term). Hours to be arranged.

An introduction to select theological and historical materials of ancient Christianity from the first to fourth centuries. Particular attention is 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 2004–05. Offered jointly with the Divinity School as 1260/2145.

Religion 1421. The Gospel of Luke

Catalog Number: 8662

François Bovon (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

A literary, historical, and theological interpretation of some chapters of the Greek text of Luke's Gospel. Exegetical discussion will focus on Luke's style, art of composition, and sources, as well as his situation in the history of Christianity. Late Antique Christianity and Reformation interpretations of Luke will be compared from time to time with the work of modern exegetes.

Note: Offered jointly with the Divinity School as 1511.

Prerequisite: Three terms of Greek.

Religion 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). Th., 1–3. EXAM GROUP: 15, 16

Begins by exploring the field of non-canonical gospels, particularly Greek fragments of lost Gospels, then devotes a longer time to the apocryphal acts of the apostles, particularly to the *Acts of Philip*, and concludes by reading the *Apocalypse of Peter* and the *Apocalypse of Paul*.

Note: Offered jointly with the Divinity School as 2130.

Religion 1427. Orthodoxy and Heresy in Ancient Christianity

Catalog Number: 3574

Karen L. King (Divinity School)

Half course (fall term). Tu., 11–1 and an hour to be arranged. EXAM GROUP: 13, 14

An examination of the dynamics of early Christian identity formation, including the development of discourses of orthodoxy and heresy, practices of interpreting Scripture, and categories of religious identity. Focuses on reading the primary literature, with special attention to those types of early Christianity later deemed heretical (for example, Marcion, Valentinian Christianity, and Sethian Gnosticism, as well as *The Gospel of Thomas*, *The Gospel of Mary*, and *The Apocryphon of James*).

Note: 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 (spring term). Hours to be arranged.

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 2004–05. Offered jointly with 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.

Introduction to the icon as theological category and devotional artifact through lectures, readings, slides, and museum visits. History of the icon will be traced from Greco-Roman Egypt to the pop-icons of Andy Warhol, with attention to medieval icons. Themes include creation, incarnation, sacred space and perspective, and the role of women in the struggle against Byzantine Iconoclasm.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 2582.

Religion 1434. History of Western Christianity, 300-1100

Catalog Number: 5783

Kevin J. Madigan (Divinity School)

Half course (fall term). M., W., at 10, and an hour to be arranged. EXAM GROUP: 3

Church and society in western Europe from the fourth through the twelfth century. Early and high medieval Christianity in social and cultural context, with attention to popular religious belief and behavior as well as to the institutional church and its leaders.

Note: Offered jointly with the Divinity School as 2230.

Religion 1437. History of Western Christianity: 1100-1500

Catalog Number: 5997

Kevin J. Madigan (Divinity School)

Half course (spring term). 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 jointly with the Divinity School as 2250.

Religion 1439 (formerly Religion 1514). The History of Christianity: An Introduction to Interpretive Issues



Catalog Number: 6685 Enrollment: Limited to 15.

David D. Hall (Divinity School) and Kevin J. Madigan (Divinity School)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

An introduction to the interpretive literature of the history of Christianity in Europe and North America. Focus on major debates and the evolution of theory and method in “church history”. Topics may include the transition from “church history” to “religious culture,” the “triumph of Christianity” in the Roman Empire, the evolution of papal primacy, the causes of the Reformation, the nature of “popular religion”, and American “exceptionalism.”

Note: Offered jointly with the Divinity School as 2392.

Religion 1451. Renaissance and Early Modern Christianity: 1350-1650

Catalog Number: 8766

Patrick Provost-Smith (Divinity School)

Half course (fall term). Tu., Th., 11–12:30. EXAM GROUP: 13, 14

An introductory survey of major authors and themes in the intellectual and cultural history of Christianity, from early Renaissance humanism to the consolidation of confessional Christian identities in the early seventeenth century. We also consider issues that emerge as Christianity expands globally to the Americas and Asia beginning in the sixteenth century: problems raised by missionary experience, conversion, and the twin questions of education and reformation. Course readings primarily in primary source material (in translation).

Note: Offered jointly with the Divinity School as 2282.

Religion 1452. Early Modern to Modern Christianity: 1650-1900

Catalog Number: 0890

Patrick Provost-Smith (Divinity School)

Half course (spring term). Tu., Th., 11–12:30. EXAM GROUP: 13, 14

An introductory survey of major authors and themes in the intellectual and cultural history of Christianity, from the “wars of religion” in the seventeenth century through Christian responses to the Enlightenment, social revolution, and colonial enterprises in the nineteenth century. We look at the problems posed by Christianity in other parts of the world than Europe (e.g. Chinese rites controversy, missionary experience under the British Empire), as well as responses to major intellectual challenges to Christian thought. Course readings primarily in primary source material (in translation).

Note: Offered jointly with the Divinity School as 2285.

Religion 1457. Renaissance Thought: Seminar

Catalog Number: 3165 Enrollment: Limited to 20.

Patrick Provost-Smith (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This seminar uses the writings of Erasmus and some of his contemporaries as a “window” to view broad problems in early modern Christianity. We pay particular attention to cultural and intellectual forms of late scholasticism, humanist historical and methodological criticism, humanist’s impact on Christian reform movements, and humanist analysis of the “crisis” of early modern Christianity. We also look at some contemporary historiographical and theological interest in Erasmus.

Note: Offered jointly with the Divinity School as 2284.



Religion 1459. Christianity, Historiography, and Contemporary Theory: Seminar

Catalog Number: 7263

Patrick Provost-Smith (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This seminar concentrates on questions of postcolonial thought and their relationship to the historical study of Christianity in non-European contexts. What kinds of questions are raised by postcolonial thought? How have these been applied in various settings to the history of Christianity? Readings include Fanon, Said, Bhabha, the ‘Sub-Altern Studies’ group, among others, and critical analysis of select historical works that attempt postcolonial readings of Christian history.

Note: Offered jointly with the Divinity School as 2287.

[Religion 1465. Liberalism and Orthodoxy, 1600–1870]

Catalog Number: 0833

David D. Hall (Divinity School)

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 2005–06. Offered jointly with the Divinity School as 2317.

Religion 1468 (formerly Religion 1504). Religion in America: From the Coming of the Europeans to the 1870s

Catalog Number: 2509

David D. Hall (Divinity School)

Half course (fall term). Tu., Th., at 10; and an hour to be arranged. EXAM GROUP: 12

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 1469. Religion, Medicine, and Suffering in the West]

Catalog Number: 9610

Robert A. Orsi (Divinity School)

Half course (fall term). Hours to be arranged.

Examination using a variety of theoretical approaches of the meanings of suffering and pain in Christian cultures. Course begins with theoretical reflection on culture and pain, then moves to consider how Christians have responded to the body in pain, including healing practice. Topics include theodicy as cultural practice; martyr as Christian hero; pain and the construction of religious meanings; power, pain, and discipline in religious settings.

Note: Expected to be given in 2005–06. Offered jointly with the Divinity School as 2315.

Religion 1470. Introduction to Ethics

Catalog Number: 2884



Arthur J. Dyck (Public Health and Divinity School)

Half course (fall term). M., W., at 10. EXAM GROUP: 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 1472. The Ethical and Religious Thought of Martin Luther King, Jr.

Catalog Number: 8761

Preston N. Williams (Divinity School)

Half course (spring 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 1478. Liberation Theology: Systematic and Contextual

Catalog Number: 2556

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Historical and religious sources of Liberation Theology in Latin America; variants in Asia and Africa; theological, political and philosophical criticisms (e.g. Papal questions and “Radical Orthodoxy”); emerging Evangelical, Pentecostal and non-Christian liberation theologies.

Note: Separate requirements for undergraduate and graduate students. Offered jointly with the Divinity School as 2510.

Religion 1481. Introduction to Catholicism

Catalog Number: 4993

Thomas A. Lewis

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Explores Catholicism in its diversity, with emphasis on the modern world. Students examine early developments of Christian theology and consider how Catholicism has responded to modern challenges including modern science, democratic ideals of equality, changing social values, increasing knowledge of other cultures, and struggles against injustice and poverty. Religion is viewed not simply as abstract ideas but in relation to social context and the lived religious practices of Catholics around the world.

[Religion 1482. The Catholic Experience in the United States]

Catalog Number: 9510

Robert A. Orsi (Divinity School)

Half course (spring term). Hours to be arranged.

The varieties of Catholic cultures and practices from the colonial period to the present. Topics include: Catholicism and American liberalism; Catholic popular piety on American streets and farms; Catholic political radicalism; the rise of the Catholic school system; Catholics and American modernity; Catholics and public morality and civic culture in the US (motion picture



censorship, for example, the anti-abortion debate).

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 2310.

[Religion 1483. The Catholic Sixties]

Catalog Number: 8882 Enrollment: Limited to 35.

Robert A. Orsi (Divinity School)

Half course (fall term). Hours to be arranged.

An examination of profound change across US Catholic culture in the middle years of the 20th century, of the interplay of religious and social transformations. Topics include the Catholic anti-war movement; the new immigrations (from Haiti, for example) and of continuing migration from Mexico; the encounter with race and the cities; the new lives of women religious; sacrilege as cultural practice; memory and the making of popular historical consciousness.

Note: Expected to be given in 2005–06. Offered jointly with the Divinity School as 2309.

[Religion 1485. Social Justice and the Catholic Church]

Catalog Number: 6144

Thomas A. Lewis

Half course (spring term). Hours to be arranged.

Catholic responses to twentieth-century social justice issues: poverty, industrialization, racism, and sexism. The course examines official Church teachings, religious thinkers, and social movements, as well as Catholic collaboration with other religious and secular groups.

Note: Expected to be given in 2004–05.

[Religion 1489. Contemporary Interpretations of Jesus]

Catalog Number: 6437

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). Hours to be arranged.

Beginning with the narratives of the life of Jesus in the Synoptic Gospels (Matthew, Mark, and Luke), we cover 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: Expected to be given in 2004–05. 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 (fall term). Hours to be arranged.

Surveys some of the best work on feminism and Christianity to date, and analyzes its effect on the contemporary task of systematic theology. The early lectures give examples of how feminist insights have shifted the discussion in biblical exegesis, in patristics, and in medieval church history and spirituality. We 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) to be discussed



and analyzed.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 2436.

[Religion 1492. Introduction to Christian Theology]

Catalog Number: 2161

Sarah Coakley (Divinity School)

Half course (fall term). Hours to be arranged.

A basic course for beginning students which analyzes different approaches to Christian theology as evident in classic, modern, and contemporary theological texts.

Note: Expected to be given in 2004–05. 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 an 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.

Cross-listed Courses

[History of Science 107. History of Medieval Science]

Medieval Greek 115ar. Introduction to Byzantine Greek

[Medieval Studies 125. The Spirit's Voices: Holy Women in Medieval Christianity]

Primarily for Graduates

Religion 2401. New Testament Studies

Catalog Number: 7788 Enrollment: Limited to 10.

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Focuses on New Testament studies but raises issues that are significant for all areas of theological and religious studies. Examines the history, methods, research areas, educational practices and theoretical paradigms of the discipline.

Note: Offered jointly with the Divinity School as 1885.

Prerequisite: Work in biblical studies and/or critical theory/hermeneutics.

Religion 2426. Editing Greek Christian Literature: Seminar

Catalog Number: 9005

François Bovon (Divinity School) and John Duffy

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

We explore the several-step preparation of a scholarly text edition. The introductory sessions focus on heuristic questions: how to track down manuscripts of authors and individual works; how to find library catalogs and descriptions; how to obtain copies of documents. The rest of the



course is devoted to a hands-on exercise in editing and translating one or more short Greek Christian texts, particularly apocryphal texts.

Note: Offered jointly with the Divinity School as 1874.

Prerequisite: A course in Greek Paleography, and a strong background in Greek.

[Religion 2464. Radical Religion in England and America, 1550–1750: Seminar]

Catalog Number: 5810 Enrollment: Limited to 20.

David D. Hall (Divinity School)

Half course (fall term). Hours to be arranged.

The history of the Puritan movement in the context of the Reformation and the Reformed tradition; mainstream and radical movements, including Quakerism. A reading seminar, using primary materials and the major historiography.

Note: Expected to be given in 2005–06. Offered jointly with the Divinity School as 2270.

[Religion 2470. God as Trinity: Seminar]

Catalog Number: 9536 Enrollment: Limited to 12.

Sarah Coakley (Divinity School)

Half course (spring term). Hours to be arranged.

Examines some of the classic Christian discussions of the Trinity, both East and West, and focus especially on the formation of the doctrine in the first five centuries C.E. Efforts will be made to highlight how doctrinal expression, “spirituality”, and attitudes to sexuality may hang together in visions of God-as-Trinity.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 2642.

Prerequisite: Advanced work in theology.

Religion 2477. God

Catalog Number: 8838 Enrollment: Limited to 12.

Francis Fiorenza (Divinity School)

Half course (spring term). Hours to be arranged.

An analysis of select 20th-century theologians in their approach to the issue of the knowledge of God and in their interpretations of the nature of God.

Note: Offered jointly with the Divinity School as 2634.

Cross-listed Courses

***History of Science 207r. Medieval Science: Seminar**

***History of Science 295r. Critical History**

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 Enrollment: Limited to 17.

François Bovon (Divinity School) 3551

Half course (throughout the year). Alternate W., 3–5.

Topic for 2003-04: Canonical, Apocryphal and Useful Books. Rethinking the traditional division



between canonical and apocryphal texts in respect to a third category, the Useful Books which are neither canonical nor rejected.

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. Offered jointly with the Divinity School as 1980.

***Religion 3490hf. Colloquium in Theology**

Catalog Number: 6295

Francis Fiorenza (Divinity School) 2735

Half course (throughout the year). W., 3–5. EXAM GROUP: Spring: 8, 9

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. Two (interleaved) dimensions: seven sessions, spread throughout the year, deal with Friedrich Schleiermacher, especially his “Glaubenslehre”. Other sessions are given over to discussion sessions on doctoral theses in progress, or other work by faculty or invited guests.

Note: Doctoral students in related fields should consult with the department chair concerning participation. Participation in the colloquium is required of all theology doctoral candidates (including affiliated doctoral candidates) while in residence, with the exception of the term in which they write General Examinations. Requirements for written work may differ for pre- and post-Generals students. Offered jointly with the Divinity School as 2696.

Modern Western

For Undergraduates and Graduates

Religion 1503. An Introduction to the Modern West

Catalog Number: 3905

David D. Hall (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Explores the interplay between tradition and modernity within Christianity and Judaism, the nature of secularization, and the question of orientalism. Readings from Lock, Rousseau, Kant, Jefferson, Marx, and Troeltsch.

Note: Limited to junior concentrators.

[Religion 1505. New Approaches to the Study of American Religions: Seminar]

Catalog Number: 9654

Robert A. Orsi (Divinity School)

Half course (fall term). Hours to be arranged.

A review of important, innovative contemporary work in the study of American religions.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 2316.

Religion 1511. Hegel

Catalog Number: 6782

Thomas A. Lewis

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18



This seminar examines Hegel's philosophy of spirit, including his conception of human beings, ethics, politics, and the relationship between religion and philosophy. We investigate how these dimensions of his thought fit into the larger system as well as ask what aspects of his thought remain viable today. Readings from the *Encyclopaedia*, *Philosophy of Right*, *Lectures on the Philosophy of History*, and *Lectures on the Philosophy of Religion*.

Note: Offered jointly with the Divinity School as 2652.

Religion 1512. Nineteenth-Century Religious Thought

Catalog Number: 1901

Thomas A. Lewis

Half course (fall term). Tu., Th., at 10, and an hour to be arranged. EXAM GROUP: 12

The nineteenth century formulated many of the concerns and questions that continue to dominate religious reflection in the West. We survey of some of the most significant developments in Western religious thought-particularly Christian-during this period. "Religious thought" here includes not only defenses of religion in light of contemporary challenges to traditional belief but also the challenges. Readings from Kant, Schleiermacher, Hegel, Feuerbach, Kierkegaard, and Nietzsche.

Religion 1513. History of Harvard and Its Presidents

Catalog Number: 1233 Enrollment: Limited to 100.

Peter J. Gomes (Divinity School)

Half course (spring term). W., F., at 11, and an hour to be arranged. EXAM GROUP: 4

An exploration of the intellectual and institutional history of America's oldest college through the examination of four pairs of its 27 presidents. Among themes to be considered are European antecedents, developments in faculty, governance, and curriculum, as well as the maturation of the built environment. Significant attention is paid to the evolution of the religious context of the school, including the practice of and instruction in religion, and the challenges of secularism and pluralism.

Note: Offered jointly with the Divinity School as 2297.

[Religion 1515. Religion and Culture in 19th-Century America and Europe: Seminar]

Catalog Number: 4488 Enrollment: Limited to 20.

David D. Hall (Divinity School)

Half course (spring 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 2005–06. 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 2004–05. Offered jointly with the Divinity School as 2410.

Religion 1526. Religion in America from c. 1865 to the 1970s

Catalog Number: 8025

Robert A. Orsi (Divinity School)

Half course (spring term). M., W., at 11, and an hour to be arranged. EXAM GROUP: 4
 American religions from the end of the Civil War to the 1970s. Topics include religions of immigrants and migrants; religion and race; new religious idioms (such as Pentecostalism) and the reinvention of traditions in response to the challenges of modern culture; religious constructions of social and moral issues (e.g., abortion and workers' rights), the religious response to urbanization and suburbanization, religion and gender.

Note: Offered jointly with the Divinity School as 2304.

Religion 1529. Personal Choice and Global Transformation

Catalog Number: 2866

Brian C. W. Palmer

Half course (spring term). M., W., at 3, and an hour to be arranged. EXAM GROUP: 8
 This is a course for students who seek 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 are the possibilities for women and men to "make a difference"? Lectures are supplemented by films, biographical explorations, and in-class interviews with relevant practitioners.

Religion 1530r. Religious Values and Cultural Conflict

Catalog Number: 6858

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). W., 3–5, and an hour to be arranged. EXAM GROUP: 8, 9

By reading a number of recent novels and reflecting on both their content and their sometimes controversial reception, we 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 1535. Theology and Power: Seminar]

Catalog Number: 8857 Enrollment: Limited to 12.

Francis Fiorenza (Divinity School)

Half course (spring term). Hours to be arranged.

An exploration of the diverse understandings of power within classical and recent social and theological thought. Transitions in the understanding of power with contemporary critical theory, feminist theology, and post-colonial theory will be discussed. Among the authors described:



Weber, Lukes, Dahl, Foucault, Arendt, Habermas, Tillich, Rahner, Boff, West, Cobb, Butler, and Young.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 2633.

Religion 1536. Introduction to Theology and Culture

Catalog Number: 1908 Enrollment: Limited to 30.

Francis Fiorenza (Divinity School)

Half course (fall term). M., W., at 11. EXAM GROUP: 4

A basic introduction to theology and some of its central themes, topics, and issues. Specific attention is given to theological method, the relation between theology and religious studies, and the intersection of theology and culture, and the relation between faith and critical inquiry.

Religion 1549. Media, Religion and Social Meaning

Catalog Number: 3414

Marla F. Frederick

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Looks at the historic development of radio and television ministries and their influence in articulating alternative interpretations of social meaning. In some cases, religious media have disrupted the simple binaries of black/white, rich/poor, male/female. What are the new and/or normalized categories of race, class, and gender presented by contemporary religious media? How might these meanings shift in different local/national as well as transnational settings?

Religion 1550. Religion and American Public Life

Catalog Number: 1431

Ronald Thiemann (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

An overview of the issues that arise within American democracy concerning the public role of religion. Covers issues in public theology, democratic political theory, and constitutional law. Concludes with a case study in public policy, considering such issues as religion and welfare policy, religion and the First Amendment, religion and warfare.

Note: Offered jointly with the Divinity School as 2524.

Cross-listed Courses

Afro-American Studies 193. Religion and Social Change in Black America

Primarily for Graduates

Religion 2501. The Religious History of American Women: Seminar

Catalog Number: 6508 Enrollment: Limited to 16.

Ann D. Braude (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Focuses on the relationship between concepts of piety and concepts of femininity in American culture. Assesses both the role of gender in shaping religious history and the impact of religion on gender norms. Explores established groups, as well as theological and institutional innovators such as in Shakerism and Christian Science.



Note: Offered jointly with the Divinity School as 2325.

Prerequisite: Some previous work in American religious history.

Religion 2545. Religion and Social Theory: Seminar

Catalog Number: 2728

David Little (Divinity School)

Half course (fall term). Th., 10–12. EXAM GROUP: 12, 13

Our focus is the writings of Max Weber together with the reactions of his critics and defenders. Relevance to topics such as “secularization,” “religious nationalism,” and “cultural relativism.”

Note: Offered jointly with the Divinity School as 2813.

Religion 2550. Women and Religion in Contemporary America: Seminar

Catalog Number: 8927

Ann D. Braude (Divinity School)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

An historical examination of the engagement of religion with the changing roles of women religion in post-World War II United States, with attention to feminism, anti-feminism and secularization.

Note: Offered jointly with the Divinity School as 2328.

Religion 2555. Religious Pluralism in America: Seminar

Catalog Number: 5163 Enrollment: Limited to 12.

William R. Hutchison (Divinity School)

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Pluralism, the acceptance and celebration of diversity, as an ideal in American religion and culture. The seminar considers stages of religious diversification from the early 19th century to the present, and the variety of societal responses—pluralist, anti-pluralist, and in between—at each stage. Participants present their research findings during the last six weeks of the course.

Note: Offered jointly with the Divinity School as 2289.

Graduate Courses of Reading and Research

***Religion 3505hf. Colloquium in American Religious History**

Catalog Number: 6445 Enrollment: Limited to 20.

David D. Hall (Divinity School) 2510

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). Hours to be arranged.

Designed as an introduction to Islam, we focus 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. An important aim is to understand and explore the connecting points between religion, literature and the arts in Islamic cultures. Course material drawn from several regions beyond the Middle East, particularly sub-Saharan Africa and South and Southeast Asia.

Note: Expected to be given in 2004–05. 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 (spring 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 2005–06. 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.

We 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 2004–05. Offered jointly with the Divinity School as 3604.



Cross-listed Courses

[Arabic 140. The Qur'an]

[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 241r. Approaches to Studying Indo-Muslim Culture and South Asian Islam](#)

[*Near Eastern Civilizations 200a \(formerly Islamic Civilizations 200a\). Approaches to Middle Eastern Studies: Proseminar](#)

Hindu

For Undergraduates and Graduates

[Religion 1600. Introduction to the Hindu Traditions of India]

Catalog Number: 9700

Anne Elizabeth Monius (Divinity School)

Half course (fall term). Hours to be arranged.

An introduction to the many distinct yet interrelated religious traditions of South Asia that are often labeled "Hinduism". Students consider the ways in which Hindus from a variety of historical time periods, local traditions, and social backgrounds have attempted to make sense of their world and their lives within it.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3404.

[Religion 1625. Indian Religions Through Their Narrative Literatures]

Catalog Number: 9890

Anne Elizabeth Monius (Divinity School)

Half course (spring term). Hours to be arranged.

An examination of the religious traditions and communities of South Asia through the stories they tell. Material covered varies, with genres ranging from epics to novels and folk stories. Explores the many ways in which narrative literatures have remained enduring sites for theological, ethical, and political reflection in South Asia.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3405.

[Religion 1627. Hindu Ethics: Seminar]

Catalog Number: 9638 Enrollment: Limited to 15.

Anne Elizabeth Monius (Divinity School)

Half course (spring term). Hours to be arranged.

An intensive exploration of the place of ethics and moral reasoning in Hindu thought and practice. Materials to be examined will be drawn from a wide range of sources, from classical Sanskrit dharmashastra to epic narrative, devotional poetry, and modern ethnography, but emphasis will be placed throughout upon the particularity of different Hindu visions of the ideal



human life.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3923.

Religion 1631. Hindu Traditions of Devotion

Catalog Number: 9423

Anne Elizabeth Monius (Divinity School)

Half course (fall term). M., W., at 11, and an hour to be arranged. EXAM GROUP: 4

An examination of Hindu *bhakti* (devotional traditions), focusing on three specific geographic/cultural regions within the Indian subcontinent. Keeping in mind both continuities and differences in the *bhakti* traditions of these three distinct cultural areas, we explore a variety of devotional literatures in English translation and considers the enduring significance and use of that deeply emotional poetry in the lives of Hindus today.

Note: Offered jointly with the Divinity School as 3406.

Religion 1640. The Study of Hinduism in the Post-Modern, Post-Colonial World: Seminar

Catalog Number: 8084 Enrollment: Limited to 15.

Anne Elizabeth Monius (Divinity School)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

What does it mean to study “Hinduism” in a post-colonial context? How have the recent interpretive strategies of post-modernism and cultural studies shaped the study of India’s Hindu traditions? Through careful examination of recent works in the field, this seminar explores the current state of Hindu Studies in both the Euro-American and South Asian academies and assess possible directions for future work.

Note: Offered jointly with the Divinity school as 3924.

[Religion 1650. Modern Hindu Movements: Seminar]

Catalog Number: 5120

Diana L. Eck

Half course (spring 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 2004–05. Offered jointly with the Divinity School as 3877.

[Religion 1670. Approaching Hinduism: Theories, Texts, and Practices]

Catalog Number: 9445 Enrollment: Limited to 12.

Parimal G. Patil

Half course (spring term). Hours to be arranged.

Studies selected theories, texts, and practices that have shaped (and are continuing to shape) the study of Hindu traditions. Pays particular attention to how the various subjects that scholars have chosen to study have been constituted, selected, and used to shape our understanding of Hinduism.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3927.



Cross-listed Courses

[Foreign Cultures 12. Sources of Indian Civilization]

[Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar]

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

For Graduates

[*Religion 3601. Readings in Hindu Myth, Image, and Pilgrimage: Seminar]

Catalog Number: 3998

Diana L. Eck 4514 (on leave spring 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: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3869.

Buddhist

For Undergraduates and Graduates

[Religion 1700. Introduction to Buddhism, in Theory and Practice](#)

Catalog Number: 3486

Janet Gyatso (Divinity School)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to Buddhism, through the reading of some of its foremost texts, and an in-depth discussion of the religious, philosophical, ethical, social, historical, and hermeneutical issues involved. Surveys early Buddhism, along with particular developments in Theravada, Mahayana, and Tantric Buddhism across Asia which serve to exemplify distinctive Buddhist modes of personal cultivation, community life, and literary practice.

Note: Offered jointly with the Divinity School as 3558.

[Religion 1704. South Asian Buddhism: Studies in Indian Buddhism]

Catalog Number: 9467

Parimal G. Patil

Half course (spring term). Hours to be arranged.

How is it that we know what it is we know about Buddhism in India? We explore this question through a close reading of recent work in Indian Buddhism. In discussing recent scholarship on Buddhist intellectual and social history, literature, religious practices, ritual, and philosophy (and by consulting the primary material on which this work is based), we will develop a critical overview and assessment of the field.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3531.

[Religion 1705. Tibetan Religions]

Catalog Number: 7192

Janet Gyatso (Divinity School)

Half course (spring term). Hours to be arranged.



An in-depth study of Tibetan Buddhism and other religious groups in their particular social and historical contexts. The course will examine distinctive Tibetan traditions of ritual practice, poetic and autobiographical writing, personal cultivation, and meditation. It will look at various kinds of religious communities as well as the religious dimensions of Tibetan political institutions.

Note: Expected to be given in 2005–06. Offered jointly with the Divinity School as 3563.

Religion 1706. South Asian Buddhism: Dharma, Emptiness, and Idealism

Catalog Number: 9464

Parimal G. Patil

Half course (fall term). Th., 4–6. EXAM GROUP: 18

A very close and contextual reading (in translation) of Buddhist “doctrinal” and “philosophical” texts. We will select chapters from Vasubandhu’s *Treasury of Metaphysics*, Nagarjuna’s *Basis of the Middle Way*, and Vasubandhu’s *Twenty Verses*. Attempt to understand these texts on their own terms and in their South Asian contexts, while also inquiring into their significance for the study of Buddhism and religion in South Asia.

Note: Offered jointly with the Divinity School as 3536.

[Religion 1708. Issues in Buddhist Philosophy]

Catalog Number: 8754 Enrollment: Limited to 20.

Janet Gyatso (Divinity School)

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2005–06. Offered jointly with the Divinity School as 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). Hours to be arranged.

An exploration of selected classic doctrinal texts and contemporary Buddhist literary and autobiographical writings. 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 another. Some works of western philosophical ethics will also be read in order to consider the relevance of the Buddhist material for contemporary ethical issues.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3568.

[Religion 1725. Buddhism and Social Change: Seminar]

Catalog Number: 4517 Enrollment: Limited to 15.

Christopher S. Queen



Half course (fall term). Hours to be arranged.

This survey of Buddhist social teachings examines the evolution of central concepts (impermanence, selflessness, suffering), ethical styles (discipline, virtue, altruism, engagement), and themes (peace, justice, gender, ecology) in Asia and the West. We consider representative figures and movements in the rise of socially engaged Buddhism since the 19th century.

Note: Expected to be given in 2004–05. 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). W., 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. Offered jointly with the Divinity School as 3851.

Prerequisite: Knowledge of Asian Buddhism is desirable.

[Religion 1730. Buddhist Women and Representations of the Female]

Catalog Number: 4463

Janet Gyatso (Divinity School)

Half course (fall term). Hours to be arranged.

We explore three interrelated subjects: 1) Buddhist conceptions concerning the female gender. 2) The lifestyles and self-conceptions of historical Buddhist women, focusing upon autobiographical writings by Buddhist women, and accounts of modern nuns involved in reform movements and political struggles in Asia. 3) Buddhist philosophy of language and its relation to Buddhist representations of the female. The latter is studied in conjunction with the writings of Western feminist thinkers on language and semiotics.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3559.

Religion 1750. Philosophy of Religion: Religious Epistemology

Catalog Number: 9826

Parimal G. Patil

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Philosophers belonging to nearly every religious tradition have offered arguments in support of their traditions’ most basic doctrines. We consider, in detail, some of the epistemological frameworks within which these arguments have been (and continue to be) offered. Specifically, we discuss: (1) Reformed Epistemology; (2) Virtue Epistemology; (3) The Epistemology of Religious Experience; (4) Proper Function; and (5) Buddhist, Hindu, and Jaina Epistemologies.

Note: Offered jointly with the Divinity School as 3535.

Primarily for Graduates



Religion 2710. Buddhist Studies: Seminar

Catalog Number: 1608

Janet Gyatso (Divinity School)

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

Topic for 2003-04: Tantric Literature and Practice. An advanced seminar for multidisciplinary Buddhist Studies covering classical texts in translation and historical developments across Asia. The purpose of the seminar is to discern stable patterns in Buddhism, and how those relate to breaks that are historically or culturally specific. Students are expected to make presentations relevant to their traditions of expertise.

Note: Offered jointly with the Divinity School as 3888.

Prerequisite: Knowledge of at least one Asian language.

[Religion 2760. Buddhism and its Critics]

Catalog Number: 9484

Parimal G. Patil

Half course (spring term). Hours to be arranged.

Focuses on the Buddhist theory of momentariness. After discussing its intellectual history in India, we will read, in translation, a Buddhist “proof” of the theory and discuss a number of non-Buddhist criticisms of it.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3876.

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](#)

Chinese and Japanese

Cross-listed Courses

[Chinese History 251. Confucian Ethics: Conference Course](#)

[Chinese Literature 208. Readings in Buddhist *Bianwen* from Dunhuang](#)

[Historical Study A-13. China: Traditions and Transformations](#)

[Historical Study A-14. Japan: Tradition and Transformation](#)

[Japanese History 116b. History of Japanese Religions: Conference Course]

Graduate Courses of Reading and Research

***Religion 3000. Direction of Doctoral Dissertations**

Catalog Number: 1933

Ali S. Asani 7739, François Bovon (Divinity School) 3551, Sarah Coakley (Divinity School) 1873, Nicholas P. Constanas (Divinity School) 2352, Harvey G. Cox, Jr. (Divinity School) 3479,



Arthur J. Dyck (Public Health and Divinity School) 1670, Diana L. Eck 4514 (on leave spring term), James Engell 8076 (on leave spring term), Francis Fiorenza (Divinity School) 2735, Robert M. Gimello (University of Arizona) 9240, William A. Graham, Jr. 4156, Janet Gyatso (Divinity School) 4243, David D. Hall (Divinity School) 2510, Jay M. Harris 2266, Albert Henrichs 4085, William R. Hutchison (Divinity School) 4061, Karen L. King (Divinity School) 4217 (spring term only), Helmut H. Koester (Divinity School) 3477, David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812, Everett I. Mendelsohn 2700, David G. Mitten 1290, Anne Elizabeth Monius (Divinity School) 4489, Roy Mottahedeh 1454 (on leave spring term), Brian C. W. Palmer 3882 (spring term only), Patrick Provost-Smith (Divinity School) 4808 (spring term only), Elisabeth Schüssler Fiorenza (Divinity School) 3193 (on leave fall term), P. Oktor Skjaervo 2869, Lawrence E. Sullivan (Divinity School) 2653, Ronald Thiemann (Divinity School) 3395, Wei-Ming Tu 7233, and Leonard W. J. van der Kuip 1556

Note: May also be taken with other instructors, when authorized by the Chair.

***Religion 3001. Reading and Research**

Catalog Number: 7954

Ellen Aitken (Divinity School) 2513, Ali S. Asani 7739, François Bovon (Divinity School) 3551, David L. Carrasco 4213, Nicholas P. Constan (Divinity School) 2352, Harvey G. Cox, Jr. (Divinity School) 3479, Arthur J. Dyck (Public Health and Divinity School) 1670, Diana L. Eck 4514 (on leave spring term), James Engell 8076 (on leave spring term), Francis Fiorenza (Divinity School) 2735, Robert M. Gimello (University of Arizona) 9240, William A. Graham, Jr. 4156, Janet Gyatso (Divinity School) 4243, David D. Hall (Divinity School) 2510, 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, David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, David Little (Divinity School) 2793, Peter Machinist 2812, Kevin J. Madigan (Divinity School) 4287 (spring term only), Everett I. Mendelsohn 2700, David G. Mitten 1290, Anne Elizabeth Monius (Divinity School) 4489, Roy Mottahedeh 1454 (on leave spring term), Robert A. Orsi (Divinity School) 4242, Kimberley C. Patton (Divinity School) 3306, Elisabeth Schüssler Fiorenza (Divinity School) 3193 (on leave fall term), Lawrence E. Sullivan (Divinity School) 2653, Ronald Thiemann (Divinity School) 3395, and Wei-Ming Tu 7233

Note: May also be taken with other instructors, when authorized by the Chair.

***Religion 3002. Foreign Language Certification**

Catalog Number: 4791

Members of the Committee

Reading and research conducted in a specific foreign language, normally French or German, to satisfy the modern language reading proficiency requirement for PhD students in the Study of Religion.

Note: Limited to PhD candidates who receive written permission from the Committee's Director of PhD Studies.



Romance Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Romance Languages and Literatures

Christie McDonald, Smith Professor of French Language and Literature (*Chair*) (on leave 2003-04)

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature (*Acting Chair*)

Gonzalo M. Aguilar, Visiting Lecturer on Romance Languages and Literatures and in the David Rockefeller Center for Latin American Studies, Visiting Scholar in the David Rockefeller Center for Latin American Studies

Janet Beizer, Professor of Romance Languages and Literature (*Director of Graduate Studies in French*)

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

Odile M. Cazenave, Visiting Scholar in Romance Languages and Literatures, Visiting Associate Professor of Romance Languages and Literatures (*spring term only*)

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature (*Director of Graduate Studies in Portuguese*)

Tom Conley, Professor of Romance Languages and Literatures (on leave 2003-04)

Verena A. Conley,

Elvira G. DiFabio, Senior Preceptor in Romance Languages and Literatures (*Associate Director of Undergraduate Studies and Undergraduate Adviser in Italian*)

Samba Diop, Assistant Professor of Romance Languages and Literatures

Alexia E. Duc, Assistant Professor of Romance Languages and Literatures

Bradley S. Epps, Professor of Romance Languages and Literatures (*Undergraduate Adviser in Romance Studies, fall term only*)

Luis Fernández-Cifuentes, Robert S. and Ilse Friend Professor of Romance Languages and Literatures

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 Undergraduate Studies*)

Luis M. Girón Negrón, Assistant Professor of Comparative Literature and of Romance Languages and Literatures

Virginie Greene, John L. Loeb Associate Professor of the Humanities (*Undergraduate Adviser in Romance Studies, spring term only*)

Ernesto E. Guerra,



Adriana Gutiérrez, Preceptor in Romance Languages and Literatures
 Nina C. de W. Ingrao, Senior Preceptor in Romance Languages and Literatures
 Francis Abiola Irele, Visiting Professor of African and African American Studies and of Romance Languages and Literatures (*Ohio State University*)
 Alice Jardine, Professor of Romance Languages and Literatures
 Clémence Jouët-Pastré, Senior Preceptor in Romance Languages and Literatures (*Undergraduate Adviser in Portuguese*)
 Lawrence D. Kritzman, Visiting Professor of Romance Languages and Literatures (*Dartmouth College*) (*fall term only*)
 Johanna Damgaard Liander, Senior Preceptor in Romance Languages and Literatures (*Undergraduate Adviser in Spanish*)
 D. Bradford Marshall,
 José Antonio Mazzotti, Gardner Cowles Associate Professor of Romance Languages and Literatures (*Undergraduate Adviser in Latin American Studies*)
 Giuliana Minghelli, Lecturer on Romance Languages and Literatures
 Ourida Mostefai, Visiting Associate Professor of Romance Languages and Literatures (*Boston College*) (*fall term only*)
 Marlies Mueller, Senior Preceptor in Romance Languages and Literatures
 Ivano Paccagnella, Visiting Professor of Romance Languages and Literatures (*University of Padova*) (*spring term only*)
 Lino Pertile, Professor of Romance Languages and Literature (*on leave 2003-04*)
 Michael Randall, Visiting Associate Professor of Romance Languages and Literatures (*Brandeis University*)
 Pierre N. Saint-Amand, Visiting Professor of Romance Languages and Literatures (*Brown University*) (*spring term only*)
 Mayra Santos-Febres, Visiting Professor of Romance Languages and Literatures and of Ethnic Studies (*University of Puerto Rico*) (*spring term only*)
 Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures (*Director of Graduate Studies in Spanish*)
 Diana Sorensen, Professor of Romance Languages and Literatures and of Comparative Literature
 Diego Zancani, Visiting Professor of Romance Languages and Literatures (*University of Oxford*) (*fall term only*)

Other Faculty Offering Instruction in the Department of Romance Languages and Literatures

Davíd L. Carrasco, Neil L. Rudenstine Professor of the Study of Latin America in the Faculty of Divinity and the Faculty of Arts and Sciences
 Evelyne Ender, Lecturer on Literature
 Francisco M. Villanueva, Arthur Kingsley Porter Professor of Romance Languages and Literatures, Emeritus, Arthur Kingsley Porter Research Professor of Romance Languages and Literatures
 Marcelo Suárez-Orozco, Professor of Education (*Education School*)

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 organized in four large groupings: 1) Letters (A-C) designate beginning 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. Courses 70-79 are introductory surveys of literature. Those numbered 90-99 include tutorials for concentrators and a series of undergraduate seminars offering introduction to the specialized study of literature. Courses numbered 43 and above are of approximately the same 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-54) for a grade of Sat/Unsat, with permission of the course head. All Romance language courses, 100-level and above, may be taken Pass/Fail without 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 C or 20 level courses after the sixth meeting.

Catalan

Primarily for Undergraduates

Catalan Ax. Reading Catalan: Culture, History and Literature

Catalog Number: 5084

Bradley S. Epps and staff

Half course (fall term). Tu., Th., 3:30–5. EXAM GROUP: 17, 18

Intensive introduction to reading in Catalan for undergraduates and graduates. Aims at the rapid development of reading skills with texts that provide an introduction to Catalan history and culture. Since its foundation, the Catalan countries (Catalonia, Valencia, Balears) have played a major role in the process of constructing a more pluralized and decentralized Spain. Catalonia is also a leading voice in the debate on a Europe of nations versus a Europe of states.

Note: May be taken Pass/Fail by undergraduates or Sat/Unsat by GSAS students.

Prerequisite: Some previous knowledge of a Romance language recommended.

Catalan Ba (formerly Catalan Aa). Introduction to Catalan

Catalog Number: 2153

Bradley S. Epps and staff

Half course (spring term). M., W., 3–5; Tu., at 3; F., at 3. EXAM GROUP: 8, 9

An introductory course in spoken and written Catalan, the language of approximately ten million people in Spain, France, Italy, and Andorra, and the most widely used of minoritized languages in Europe today. Antonio Gaudí, Salvador Dalí, Joan Miró, Antoni Tàpies, Mercè Rodoreda and



Pau Casals were native Catalan speakers. Emphasizing oral communication, reading, and writing, Catalan Ba will offer students contact with contemporary Catalan culture, particularly that of Barcelona, through the press and Internet.

Note: Conducted in Catalan. Knowledge of another Romance language is useful but not essential. May be taken Pass/Fail by undergraduates or Sat/Unsat by GSAS students.

***Catalan 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. May be used for further language study after Catalan Ax or Ba.

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 the day preceding Registration Day for returning students. All students with some previous French in secondary school are required to take the placement test if they have not taken the SAT II, AP, or IB examinations in French.

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 contact the Director of the Program of Advanced Standing.

Primarily for Undergraduates

French A. Beginning French

Catalog Number: 3373

Marlies Mueller and staff

Full course (indivisible). Five meetings a week. Sections M. through F., at 9, 10, 11, 12, and 1.

EXAM GROUP: 2, 11

Complete basic course offering equal emphasis on speaking, listening, reading and writing as well as conveying a taste for the French *savoir-vivre*. Latest technology allows for surround-sound training by native speakers in dorm rooms. By year’s end, students will be able to carry on conversations in simple, correct French, and will have been introduced to French culture by such landmark authors as Victor Hugo and Sartre and state-of-the-art movies like *Amélie*.

Note: French A fulfills the language requirement. Open to students with placement scores up to 499 or permission of the course head. May not be taken Pass/Fail. Graduate students at GSAS 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

D. Bradford Marshall and staff

Half course (fall term). Section I: Tu., Th., 10–11:30; Section II: Tu., Th., 11:30–1. EXAM GROUP: 12, 13, 14

An introduction to reading modern French texts for students who require only reading knowledge of French for research purposes. French Ax presents the basic structures of modern French grammar in a systematic and coherent manner and, at the same time, makes reading and translation assignments as discipline-specific as possible for each student's needs.

Note: Conducted in English. Not open to students with a score of 500 or above on the Harvard Placement Test or the SAT II French test, to 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, but may be taken Sat/Unsat by GSAS students. Students should section on-line on the French Ax website.

Prerequisite: Some previous study of a Romance language helpful but not necessary

***French Bab. Intensive Beginning 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 or Sat/Unsat. Interested students should fill out the on-line request form on the French Bab website by the end of the fall term examination period.

Prerequisite: An advanced knowledge of at least one foreign language but NO previous study of French.

French Ca. Intermediate French I

Catalog Number: 1810

Judith Frommer and staff

Half course (fall term). M. through Th., sections at 9, 10, 11, 12, or 1. EXAM GROUP: 2, 3, 11

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: Sections M., W., F., at 9, 10, 11, 12, or 1.

EXAM GROUP: 2, 3

In French Cb, students continue the study of grammar begun in French Ca. and further develop their communicative skills. Students are introduced to the concept of “*la francophonie*” as represented in literature and films from Quebec, the Caribbean, and Africa.

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 550-599 on the SAT II test or the Harvard Placement test; a passing grade in French Ca; or permission of instructor.

French 25. Comprehensive Intermediate French III: L’Etre humain et son univers

Catalog Number: 8781

Marlies Mueller and staff

Half course (fall term; repeated spring term). Fall: Sections M., W., F., at 9, 10, 12, or 1.

Spring: Sections M., W., F., at 10, or 12. EXAM GROUP: 2, 3

Introduction to French literature and cinema combined with a comprehensive review of French grammar and intensive vocabulary building. Authors and filmmakers, whose reflections on enduring questions of human experience and the meaning of life are compared and contrasted, include Baudelaire, Camus, Kieslowski, Pagnol, Rimbaud, and Sartre. By the end of the term, students should be able to understand lectures in French and express their thoughts orally and in writing with confidence using correct French.

Note: Conducted in French. 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 course head. May not be taken Pass/Fail. Students should section on-line on the French 25 website.

French 27. Oral Expression I: Le Français parlé

Catalog Number: 3060

D. Bradford Marshall and staff

Half course (fall term; repeated spring term). Sections M. through F., at 9, 12, or 1. EXAM GROUP: 2, 11

Emphasizing speech strategies, useful vocabulary, idiomatic expressions, and listening comprehension, this course helps students develop oral fluency while learning about contemporary France and Francophone countries. Films, music, news media, and Internet resources offer virtual linguistic and cultural immersion, and provide material for in-class discussions and special activities. After a semester of French 27, students should feel comfortable speaking French and have confidence to handle any situation commonly encountered in a French-speaking environment.

Note: Conducted in French. 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: Open to students with a grade of A- or better in French A or Bab, or B in French



Ca with language requirement completed; or a B in French Cb; or for initial placement a score of 600-659 on the SAT II test or the Harvard Placement test, or by permission of the instructor.

French 31. Oral Expression II: La France a travers les medias

Catalog Number: 0490

D. Bradford Marshall and staff

Half course (fall term; repeated spring term). Section I: Tu., Th., 10–11:30; Section II: Tu., Th., 11:30–1. EXAM GROUP: 12, 13, 14

An introduction to contemporary France as presented in the media, including the press, radio, television, and the Internet. Students discuss and debate a variety of topics of current interest while fine-tuning their language skills through a more advanced study of discourse strategies, grammar and pronunciation. Intended for those who have learned how to handle everyday situations, French 31 prepares students for interacting on a more sophisticated level in a work or study setting.

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. Not open to auditors.

Prerequisite: Open to students with a score of 660-689 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). Sections M., W., F., at 9, 10, 11, or 1. EXAM GROUP: 2, 3, 4

Course in French language, literature, and film designed to enhance facility in all four language skills. Considers representations of self in literature and cinema. How does one arrive at knowledge of self, and what are the consequences of this knowledge for relationships with others? This question will be examined through authors and filmmakers such as Baudelaire, Camus, Duras, Hugo, Leconte, Rouan, Truffaut, Vercors. Complete grammar review, vocabulary building, emphasizing idiomatic subtleties and social etiquette.

Note: Conducted in French. May not be taken Pass/Fail. Students should section on-line on the French 35 website.

Prerequisite: For initial placement, French 25, or permission of course head. Open to students with a placement score of 660-689 on the SAT II test or the Harvard Placement test taken.

French 36. Upper-Level French II: Liberté et Conscience

Catalog Number: 6963

Marlies Mueller and staff

Half course (spring term). Sections M., W., F., at 10, 11, or 1. EXAM GROUP: 3, 4, 6

Advanced course in French language and literature structured to develop near-native fluency in written and oral expression. Examines the nature and consequences of freedom. How do power, knowledge, and freedom interrelate? Politics, philosophy, art, and literary imagination are considered in their relation to the creation and expansion of individual autonomy. Authors and film directors include Balzac, Beauvoir, Camus, Granier-Deferre, Maupassant, Nuytten, Ophuls, Renoir, Ribowska, and Yourcenar. Consolidating grammatical structures, vocabulary building, intensive stylistic exercises.



Note: Conducted in French. May not be taken Pass/Fail. Students should section on-line on the French 36 website.

Prerequisite: French 25, 27, 30, or 35; a placement score of 690-719 on the SAT II test or the Harvard Placement test; or permission of the course head.

French 37 (formerly French 41). Les régions de France: hier et aujourd'hui

Catalog Number: 7909

Marie-France Bunting and staff

Half course (fall term). Sections M., W., F., at 10 or 12. EXAM GROUP: 3, 5

A journey through various regions of France surveying the present and past identities of Bretagne, Alsace, and Provence, Dordogne and Périgord, through history, folklore, gastronomy, art, music, and regional literature. Resources for class discussions include current articles from the French press, historical, sociological and literary writings as well as films and video documents. Emphasis on oral communication. An advanced grammar review is offered along with practice in writing and vocabulary enrichment.

Note: Conducted in French. May not be taken Pass/Fail.

Prerequisite: French 31, 35 or 36. Open to students with a placement score of 690 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). Sections M., W., F., at 10 or 12. EXAM GROUP: 3, 5

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, or 37. Open to students with a placement score of 720 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; Section III: Tu., Th. 2:30–4. EXAM GROUP: 12, 13

Designed for students working or traveling for business in French-speaking countries. Through audiovisual materials, the Internet, and the French press students become familiar with the current business and economic climate in France and find out about practices, customs, and “intangibles” that make French businesses different from their American counterparts. Those enrolled may take the Paris Chamber of Commerce and Industry exams and obtain an official diploma attesting to their proficiency in French.

Note: Conducted in French. May not be 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 720 on the SAT II test or the Harvard Placement test; or by permission of the instructor.

French 47b. La Société française à travers les âges

Catalog Number: 6222

Marie-France Bunting

Half course (fall term). Sections M., W., F., at 10 or 12. EXAM GROUP: 3, 5

Aims to provide an historical survey of France from the Middle-Ages to the end of the 19th century through the study of prominent figures, social archetypes and major events and accounts of everyday life that contributed to the formation of a national identity. Resources for class discussions include readings from historical, literary and sociological sources, including films. Active use of the language in class and practice in writing will be emphasized.

Note: Conducted entirely in French. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students.

Prerequisite: French 36, 37, or 42. Open to students with a placement score of 750 on the SAT II or the Harvard placement test, or by permission of the instructor.

French 48b. Contemporary French Society

Catalog Number: 8290

Marie-France Bunting and staff

Half course (spring term). Sections M., W., F., at 10, or 12. EXAM GROUP: 3, 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 as well as from sociological and literary sources. Films and video documents closely related to the course material will emphasize the social, cultural and human aspects.

Note: Conducted entirely in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students.

Prerequisite: French 37, 42, 45, or 47b. Open to students with a placement score of 750 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 competence in written expression. Using short stories, essays and sample texts drawn from history and philosophy, students learn to practice different styles in creative, argumentative, and analytical writings. Special emphasis is paid to stylistic variations, lexical nuances, and complex grammatical structures. In addition, each student presents several *explications de texte* (close reading of a text).

Note: Conducted in French. May not be taken Pass/Fail.

Prerequisite: French 36, 37, 42, 47b, or 48b. Open to students with a Harvard placement test score of 750, 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: to fine-tune listening comprehension; to develop linguistic skills in presenting oneself, expressing emotions, debating, negotiating, etc.; and to improve pronunciation. Authentic materials on video cassettes will be used as models. In addition to practical and corrective work, students will participate collectively in a theatrical production.

Note: Conducted in French. May not be taken Pass/Fail.

Prerequisite: French 37, 42, 47b, or 48b. 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 E. Duc

Half course (spring term). Tu., Th., at 10; Th., at 5; M., at 5, plus an hour to be arranged. 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: Conducted in French; third hour devoted to discussion of texts studied.

Prerequisite: Placement score of 720 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 (fall term). Th., 2–4; Tu., at 3, plus an hour to be arranged. EXAM GROUP: 16, 17

Significant texts from the nineteenth and twentieth centuries examined in the light of close reading and contemporary criticism.

Note: Conducted in French; third hour devoted to discussion of texts studied.

Prerequisite: Placement score of 720 on the SAT II test or the Harvard Placement test, equivalent preparation, or permission of instructor.

French 70c. Introduction to French Literature III: The Francophone World

Catalog Number: 6432

Samba Diop

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Studies short stories, poetry, film, and drama from Black Africa, Québec, Martinique, Guadeloupe, French Guyana, Vietnam, Algeria, Morocco, Tunisia, Madagascar, Djibouti, and La Réunion.

Note: Conducted in French.



Prerequisite: Placement score of 720 on the SAT II test or the Harvard Placement test, equivalent preparation, or permission of instructor.

***French 91r. Supervised Reading and Research**

Catalog Number: 3954

Marie-France Bunting and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***French 97. Tutorial—Sophomore Year: The Politics of Poetics: An Introduction to Literary and Cultural Analysis**

Catalog Number: 0173

Alice Jardine

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

An introduction to literary and cultural interpretation as it has evolved in French Studies since WWII. Our conversations will be structured around rigorous analysis of key literary works in relation to literary theory, semiotics, psychoanalysis, and politics.

Note: Required of concentrators in their sophomore year. Open to non-concentrators with permission of 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 term of French 98 is required of all honors concentrators.

***French 99. Tutorial—Senior Year**

Catalog Number: 2836

Marie-France Bunting and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: For honors seniors writing a thesis. The first term may be counted as a half course only with the permission of the Undergraduate Adviser in French. Students who do not complete a thesis are required to submit a substantial paper in order to receive either half course or full course credit. To enroll, see Marie-France Bunting, Undergraduate Adviser.

Cross-listed Courses

[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 36z. Utopia and Anti-Utopia**

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

Open to students with 750 on the Harvard Placement Test or SAT II, a score of 5 on the Advanced Placement Test in language or literature, previous coursework at Harvard of an appropriate level, or by permission of the instructor.

[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 2004–05. 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 (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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: Conducted in French.

[French 108. “Amours et armes:” A Study of Medieval Romances]

Catalog Number: 3495

Virginie Greene

Half course (spring term). Hours to be arranged.

Explores how war and love define romance. Readings will be organized around famous love stories (such as those of Dido and Aeneas, Lancelot and Guenièvre, Tristan and Yseut), and less famous ones, in works from the 12th to the 15th century.

Note: Expected to be given in 2005–06. Conducted in French.

French 119. The French 17th Century: A Century of Moralists

Catalog Number: 9288

Alexia E. Duc

Half course (spring term). W., at 1, Th., 2–4. EXAM GROUP: 6, 16, 17

More than any other period, the 17th century is preoccupied with the observation of the *moeurs* of its society. We will explore the ways in which this concern shapes the literature of the time. 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 Sorel, Pascal, La Rochefoucauld, La Fontaine, Nicole, La Bruyère.

Note: Conducted in French.

French 120. Molière and Comedy

Catalog Number: 1138



Alexia E. Duc

Half course (fall term). Tu., at 12. EXAM GROUP: 14

Playwright, actor and director, Molière has invented a new comedy that will be read in the context of early modern poetics and politics. At the same time eternal and historical, Molière's comic mimesis will be defined in its forces, its evolution, its diversity, its inspiration, its values and its legacy. Special attention will be given to the notions of laughter and satire, representation and discourse, norms and ridicule, comedy and ballet.

Note: Conducted in French.

French 121. The Text of the Renaissance

Catalog Number: 4006

Michael Randall (Brandeis University)

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Studies writing of the Renaissance in cultural and political context; includes readings of Rhétoriquers, Marot, Rabelais, *arts poétiques*, Ronsard, Pléiade and Baroque poetry, d'Aubigné, and essays by Montaigne.

Note: Conducted in French.

[French 126. Literature and Humanism in the 17th Century I: The Courtier, the Hero and the Saint]

Catalog Number: 6971

Alexia E. Duc

Half course (fall term). Hours to be arranged.

An exploration of the relations between ethics and writing in the 17th century. The readings focus on three major figures of the period?the courtier, the hero and the saint?in order to analyze the humanist legacy of the Renaissance in the times of absolutism and the relationships between literary genres and anthropology. Readings include: d'Urfé, Caussin, Sales, Charron, Corneille, Mairat, Cyrano de Bergerac, Retz, Molière.

Note: Expected to be given in 2005–06.

[French 127. Literature and Antihumanism in the 17th Century II: The Tyrant, the Sinner and the Wit]

Catalog Number: 8712

Alexia E. Duc

Half course (spring term). Hours to be arranged.

Following the humanist questions of Part I, we will focus on three negative major figures of the period?the tyrant, the sinner and the “mondain,”?around which revolves the moral, political and aesthetic thought of the century. In a similar fashion, we will analyze the relationships between writing and anthropology and their evolution in the new context of the second part of the century. Readings include: Naudé, Pascal, Nicole, La Rochefoucauld, Racine, Bossuet, La Bruyère, Méré.

Note: Expected to be given in 2005–06.

[French 132a. 20th-Century French Fiction I: The Realist Mode]

Catalog Number: 4382

Susan R. Suleiman



Half course (spring 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 and theoretical essays.

Note: Expected to be given in 2004–05. Conducted in French.

French 132b. 20th-Century French Fiction II: The Experimental Mode

Catalog Number: 1890

Susan R. Suleiman

Half course (fall term). W., 1–3; and an hour to be arranged. EXAM GROUP: 6, 7

What are some alternatives to (or subversions of) realism in fiction? We will examine four major experimental currents or movements in 20th-century imaginative writing: Surrealism, the *nouveau roman*, the Oulipo, and *écriture féminine*. Discussion of works by Breton, Bataille, Robbe-Grillet, Sarraute, Queneau, Perec, Duras, Wittig, Cixous, as well as selected critical essays.

[French 136. Feminist Literary Criticisms]

Catalog Number: 3845

Alice Jardine

Half course (spring term). Hours to be arranged.

Close readings of postwar French fiction and theory with emphasis on what is called “the feminine” in key psychoanalytic, philosophical, and literary writings of the French poststructuralist tradition. What has been the legacy of fifty years of dialogue between French postwar theory and feminist practice in the United States? Writers considered include Cixous, Duras, Hyvrard, Irigaray, Kristeva, and Wittig as well as Deleuze, Derrida, and Lacan.

Note: Expected to be given in 2004–05.

Prerequisite: Excellent reading knowledge of French.

[French 137. 20th Century French Theater]

Catalog Number: 4065

Susan R. Suleiman

Half course (spring term). Hours to be arranged.

We explore the richness and variety of French theatrical writing and theory, starting with Jarry’s groundbreaking *Ubu Roi* (1896); special emphasis on experimental and avant-garde productions. Discussion of works by Jarry, Apollinaire, Artaud, Sartre, Beckett, Genet, Ionesco, Duras, Cixous, and others.

Note: Expected to be given in 2005–06.

[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 2005–06. Conducted in French.

French 148. Images of the Family in 18th-Century French Literature, Art and Culture

Catalog Number: 8757

Ourida Mostefai (Boston College)

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Studies the emergence of a private sphere in the Enlightenment by focusing on the changing representation of the family in the literature, art and culture of 18th-century France. We analyze the critique of traditional models and the construction of new concepts of childhood, education and happiness. Readings include novels and plays (by Prévost, Rousseau, Riccoboni, Diderot, Charrière, Saint-Pierre) as well as theoretical texts and artistic documents.

Note: Conducted in French.

[French 154. Pain and Suffering in the Nineteenth Century]

Catalog Number: 8190

Janet Beizer

Half course (fall term). Hours to be arranged.

An approach to the nineteenth century from the perspective of its fascination and identification with pathology. We will move from the *mal du siècle* (Chateaubriand, Musset, Sand) through Baudelairian spleen and ennui, to the Goncourts' cultivation of their nerves, to naturalist preoccupations with the body, its functions, and ailments (Zola), to hysteria, also known at the time as "*la maladie du siècle*" (Rachilde). Readings will include novels, short stories, poetry, case histories (Charcot, etc.)

Note: Expected to be given in 2005–06.

[French 160. Rereading Romanticism]

Catalog Number: 6250

Janet Beizer

Half course (fall term). Hours to be arranged.

We will consider some defining texts of Romanticism within their original historical, social, and aesthetic context. How did the Romantics read Romanticism? How did their opponents read it/them? How does the passage of time effect our (re)reading of Romantic texts? Readings will include poetry, theater and prose by authors such as Victor Hugo, Chateaubriand, Mme de Stael, Musset, Lautreamont, Gautier.

Note: Expected to be given in 2004–05. Conducted in French.

[French 161. Rereading Realism]

Catalog Number: 1729

Janet Beizer

Half course (fall term). Hours to be arranged.

Is Realism real? Is Naturalism natural? As we read Realist and Naturalist texts, we will consider how ideological and aesthetic conventions of the "real" and the "natural" interacted with literary movements of the second half of the nineteenth century, focusing particularly on texts that



represent representation. Readings will include Balzac, Flaubert, Huysmans, Zola, Rachilde.

Note: Expected to be given in 2004–05. Conducted in French.

[French 165. Marcel Proust]

Catalog Number: 4620

Christie McDonald

Half course (fall term). Hours to be arranged.

In Proust's novel, *A la recherche du temps perdu*, questions of time and memory, truth and signification, literature and philosophy converge to ask: who am I? What does it mean to become a writer? Discussion of Proust's novels and essays, as well as a number of critical texts.

Note: Expected to be given in 2004–05. Conducted in French.

[French 167. Parisian Cityscapes]

Catalog Number: 7641

Verena A. Conley

Half course (fall 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, Beauvoir, Beyala, Godard, Kassovitz, Maspero, Latour, Ross and others).

Note: Expected to be given in 2004–05. Conducted in French.

[French 170. The City]

Catalog Number: 3772

Verena A. Conley

Half course (spring term). Hours to be arranged.

Focuses on representations of the city in literature (Mercier, Balzac, Baudelaire, Zola, Breton, Aragon) and theory (Benjamin, Lefebvre). Analyzes the evolution of the concept under the impact of industrialization and technological inventions.

Note: Expected to be given in 2004–05. Conducted in French.

French 175. Julia Kristeva: Introductions and Conclusions

Catalog Number: 7207

Alice Jardine

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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.

Prerequisite: Excellent reading knowledge of French.

French 180. 20th-Century French and Francophone Women Writers

Catalog Number: 4566

Alice Jardine

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A consideration of some of the major novels by women writing in French from Colette to



Djebar. Emphasis is added to the literary, critical and political questions raised by the inclusion of women's cultural work into the canon.

Prerequisite: Good reading knowledge of French.

[French 182. Politics and Poetics]

Catalog Number: 1172

Verena A. Conley

Half course (spring term). Hours to be arranged.

Examines how recent political questions in France and in the world (immigration, globalization, transformations of the nation state, citizenship, etc.) are addressed in fiction, theory and film (Derrida, Cixous, Badiou, Balibar, Virilio and others).

Note: Expected to be given in 2005–06.

French 183. Ousmane Sembene

Catalog Number: 0654

Samba Diop

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Ousmane Sembene is considered as the father of African Cinema; he is also a prolific novelist and writer. Sembene covers a wide array of topics: colonialism, postcolonialism, gender, African politics and culture. Sembene is also known as the fierce defender of the poor and downtrodden. His most representative films and novels will be screened and read: *La noire de...*, *Emitai*, *Xala*, *Les bouts de bois de dieu*, *Guelwaar*.

[French 184. Cinema and the *auteur*]

Catalog Number: 0512

Tom Conley

Half course (fall term). Hours to be arranged.

Studies development of *auteur* theory in French film and criticism. Readings include *Cahiers du cinéma*, Bazin, Deleuze, Godard, and Foucault. Viewings include Renoir, American and Italian *auteurs*, and post-new wave cinemas.

Note: Expected to be given in 2005–06. Conducted in French.

French 186. The Négritude Poets

Catalog Number: 7995

Francis Abiola Irele (Ohio State University)

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Focuses on the work of the poets associated with the Négritude movement. The development of Négritude as a literary school is reviewed, followed by an intensive study of the significant poets: Léon Damas, Aimé Césaire, René Depestre, Léopold Senghor, David Diop, Bernard Dadié, and Birago Diop. Attention is paid to the themes of racial protest and cultural reclamation in the poetry and to the leading ideas of Négritude discourse.

[French 188. Women Francophone Writers]

Catalog Number: 9922

Samba Diop

Half course (fall term). Hours to be arranged.



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. Topics: family, polygyny, urban and rural life, education, marriage, gender, race, and ethnicity, etc. Authors include M. Bâ, W. Liking, M. Rakotoson, A. Djébar, M. Condé, M. Ndiaye, C. Beyala, N. Bouraoui.

Note: Expected to be given in 2004–05. Conducted in French.

[French 189. Francophone Poetry and Drama]

Catalog Number: 7640

Samba Diop

Half course (spring term). Hours to be arranged.

Explores the main themes embedded in Francophone poetry and theatre hailing from black Africa, the Caribbean, and Quebec. First, we consider poetry of Senghor, Césaire, Amrouche, Maunick, U'Tamsi, Damas, Birago Diop, Rabemamanjara, Gratiant, Rebearivelo, B. Cendrars, M. Haddad. Then, plays by Were-Were Liking, Anta Kâ, Tansi, Tremblay, C.A. Ndao Oyono-Mbia are studied. Themes of Negritude, home and exile, Africanness, identity quest, slavery and emancipation, and culture are examined.

Note: Expected to be given in 2005–06.

French 194. Francophone Film and Literature

Catalog Number: 9392

Samba Diop

Half course (fall term). Tu., Th., at 1, plus an hour to be arranged. EXAM GROUP: 15

With a distinct style of expression, Francophone cinema articulates varied themes: colonization/decolonization; millenarian politics; womanhood; Westernization; the poor; Islam, Christianity and animism; the *griot* and epic traditions; myths; post-colonialism; national languages such as Berber, Wolof, Arabic, and Creole, are used and, because of interferences with French, a diglossia is often seen. In addition to film screenings, we will read selected Francophone novels and short stories.

Note: Conducted in French.

[French 195. The African and Caribbean Novel in French: Comparative Perspectives]

Catalog Number: 5245

Francis Abiola Irele (Ohio State University)

Half course (fall term). Hours to be arranged.

We examine a representative selection of novels by French-speaking African and Caribbean novelists, with a view to grasping the development of the narrative genre in francophone Africa and the Caribbean from the double heritage of the oral tradition and the literate conventions of the West. The course is conducted as a seminar, involving intensive reading and discussion of texts.

Note: Expected to be given in 2004–05.

Prerequisite: Reading knowledge of French.

French 197. Francophone Women Writers: Exile, Immigration, Memory

Catalog Number: 6114

Odile M. Cazenave



Half course (spring term). Tu., Th., 4–5:30. EXAM GROUP: 18

We focus on post-sixties French-speaking women's writings and their relationship to individual memory and collective History. We examine how the experience of exile or/and immigration translates textually; how the space of writing may affect the direction of their gaze. Authors studied include Assia Djebar, Maryse Condé, Ken Bugul, Calixthe Beyala, Gisèle Pineau, Malika Mokeddem, Nina Bourraoui, Ananda Devi and Nancy Houston.

Note: Conducted in French.

Cross-listed Courses

Afro-American Studies 185. The African Novel

[Comparative Literature 165. The Holocaust and Problems of Representation]

[History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century]

[*Literature 140. Colonial and Post-Colonial Spaces: France and North Africa]

Primarily for Graduates

French 219. Reading Theoretically: Rhetoric, Philosophy, Self-Portraiture in Montaigne's *Essais*

Catalog Number: 2184

Lawrence D. Kritzman (Dartmouth College)

Half course (fall term). M., 1:30–4. EXAM GROUP: 6, 7

An examination of Montaigne's preoccupation with writing and the problematic distinction between life and art. Starting with an analysis of Renaissance humanism, the course shall explore how the rhetoric of self-portraiture anticipates contemporary theoretical issues.

Note: Conducted in French.

French 226. Literature and Civility in the 17th Century

Catalog Number: 7576

Alexia E. Duc

Half course (fall term). W., 4–6. EXAM GROUP: 9

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: Conducted in French.

[French 244. The Anxiety of Change]

Catalog Number: 3451

Christie McDonald

Half course (spring term). Hours to be arranged.

Analysis of the crossover between political, social, philosophical and literary discourses with particular focus on the shifts between theological and secular models. 18th-century and 20th-century readings from debates about Enlightenment.

Note: Expected to be given in 2005–06. Conducted in French.



French 247. The Libertine Novel

Catalog Number: 1734

Pierre N. Saint-Amand (Brown University)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

A study of the different genres of the libertine novel in the 18th century. We also examine current critical approaches of issues of gender, sexuality, pornography for a contextualization of that novel. Authors include Crébillon fils, Duclos, Godard d'Aucour, La Morlière, Denon, and Laclos.

Note: Conducted in French.

French 252. Sounds of Silence

Catalog Number: 2954

Janet Beizer

Half course (spring term). W., 1–3:30. EXAM GROUP: 6, 7

Silence, feared and revered by literature as its ambiguous dark double (mirror of textual dissolution/sign of textual self-transcendence) is never far from the text. This seminar will explore silence as it haunts nineteenth-century texts.

Note: Conducted in French.

[French 256. Sand, Colette, and the Mothers of Invention]

Catalog Number: 3546

Janet Beizer

Half course (fall term). Hours to be arranged.

Colette, both deconstructionist and mystifier of maternity, imagined in awe the productivity of her literary foremother George Sand. Departing from the relationship of literary maternity and filiation, we'll consider how the two writers constructed mothers.

Note: Expected to be given in 2004–05. Conducted in French.

French 259. The Culture of Hysteria in 19th-Century France

Catalog Number: 3349

Janet Beizer

Half course (fall term). F., 1–3:30. EXAM GROUP: 6, 7

Reading medical and literary narratives of hysteria, we will ask why the disease flourished in this time and place, tracing hysteria as symptom of a cultural malaise. Readings in canonical and popular novels, medical encyclopedias and treatises.

Note: Conducted in French or English, to be determined by class composition. Readings in French.

French 267. The Public Intellectual in France, from Zola to Bourdieu

Catalog Number: 6201

Susan R. Suleiman

Half course (spring term). W., 3–5:30. EXAM GROUP: 8, 9

What forms has the political engagement of intellectuals in France taken since the Dreyfus Affair, when the term “intellectual” first came into use? Works by Zola, Barrès, Benda, Sartre, Beauvoir, Camus, Foucault, Kristeva, Bourdieu and others.



Note: Conducted in French or English, depending upon student preference. Open to qualified juniors and seniors, with instructor's permission.

French 271. Legacies of Poststructuralism: An Introduction

Catalog Number: 8448

Verena A. Conley

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

We examine the legacies of poststructuralism, or “high theory” and literary theory today. We 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 272. Twentieth-Century French Poetry

Catalog Number: 9988

Evelyne Ender

Half course (fall term). M., 4–6:30. EXAM GROUP: 9

A close study of the major poetic voices of the century. Starts with an examination of poetic modernity in Mallarmé's writings and focuses on Valéry, Apollinaire, Ponge, Char, and Bonnefoy.

Note: Conducted in French.

[French 279. Spatial Textures of Critical Theory]

Catalog Number: 1811

Tom Conley

Half course (fall term). Hours to be arranged.

Examines space as concept and practice in contemporary theory. Readings selected from Blanchot, Lévi-Strauss, Foucault, de Certeau, Augé, and Deleuze. Secondary literature includes geography of experience: Yi Fu Tuan, Edward Casey, Henri Lefèbvre.

Note: Expected to be given in 2004–05. Language of instruction to be determined.

[French 285r. French Literature: Seminar]

Catalog Number: 7479

Tom Conley

Half course (fall term). Hours to be arranged.

Topic for 2005-06: To be announced.

Note: Expected to be given in 2005–06. Conducted in French. Open to qualified undergraduate students.

Graduate Courses of Reading and Research

Advanced graduate students reading in the field of a proposed doctoral dissertation or working in a field of specific interest not covered by courses may propose individual projects of reading and research to be undertaken under the direction of individual members of the Department.

***French 320. French Literature: Supervised Reading and Research**

Catalog Number: 1798

Janet Beizer 3957, Tom Conley 1908 (on leave 2003-04), Verena A. Conley 2250, Samba Diop



3079, Alexia E. Duc 3801, Judith Frommer 7066, Virginie Greene 1007, Alice Jardine 7457, Christie McDonald 1160 (on leave 2003-04), and Susan R. Suleiman 7234

***French 330. Direction of Doctoral Dissertations**

Catalog Number: 7843

Janet Beizer 3957, Tom Conley 1908 (on leave 2003-04), Verena A. Conley 2250, Samba Diop 3079, Alexia E. Duc 3801, Virginie Greene 1007, Alice Jardine 7457, Christie McDonald 1160 (on leave 2003-04), 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 should sign up for Italian A through 51 online on the course website before 4:00 pm on the first day of the term.

Primarily for Undergraduates

Italian A. Beginning Italian

Catalog Number: 4309

Elvira G. DiFabio and staff

Full course (indivisible). M. through F., sections at 9, 10, 11, 12, or 1. EXAM GROUP: 2, 3, 11

For students with little or no knowledge of Italian. Aims at achieving basic communication skills and vocabulary. Emphasis on oral expression and listening comprehension in the fall term, with additional emphasis in the spring term on reading and writing. Introduction to Italian literature through short stories in the spring term. Course materials include complete software program for Italian grammar and vocabulary.

Note: Conducted in Italian. Students whose placement score does not entitle them to enter a more advanced course are assigned to Italian A. May not be taken Pass/Fail.

[Italian Ax. Reading Italian]

Catalog Number: 4015

Elvira G. DiFabio and staff

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2004–05. Not open to auditors. May not be used to fulfill the language requirement. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students.



***Italian Bab. Intensive Beginning 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, 5, 12

A complete first-year course in one term for students with no knowledge of Italian. Speaking, listening, reading, and writing skills are all emphasized with class time focused on developing oral/aural skills. Selected readings from 20th-century authors.

Note: May not be 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, but no previous study of Italian.

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; Section II: Tu., Th., 2:30–4; Section III: M., W., F., at 12; Section IV: M., W., F., at 1. All sections have an additional 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 course head.

Italian Cb. Intermediate Italian II: Gioielli del teatro italiano

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., at 12 and one hour to be arranged. EXAM GROUP: 15, 16

A logical continuation of Italian Ca?emphasizes developing fluent reading skills through close readings of two well-known plays. Sophisticated written/oral communication will be stressed through regular writing assignments, critical essays, and a special project at the end of the term.

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 (spring term). M., W., F., at 10; Tu., Th., 10–11:30, and an additional hour to be arranged. EXAM GROUP: 3, 12

A complete second-year course in one term 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 term.

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 course head.

Italian 33. Oral Expression: La musica dell'italiano

Catalog Number: 6463

Elvira G. DiFabio and staff

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

An oral expression course based on Italian Opera, intended for students with little or no prior knowledge of either music or opera, but with an advanced-intermediate knowledge of Italian. The course, conducted in Italian, will focus on both the cultural and the linguistic elements of the genre. Together we will explore “musical voice” of Italians, through the most famous works by Rossini, Verdi, Donizetti, Puccini, Leoncavallo and others.

Note: Conducted in Italian. Monthly screenings to be arranged.

Prerequisite: Italian Cb, or permission of course head.

Italian 35. Upper-Level Italian I: Parliamo dell'Italia

Catalog Number: 2659

Elvira G. DiFabio and staff

Half course (fall term). M., W., F., at 12 or 1. EXAM GROUP: 5

Insights into Italian society and culture, especially through Italian newspaper and magazine articles, feature films, and videotapes. For students with a solid grasp of the fundamentals of Italian grammar. Aims at improving command of the language both in speaking and 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 course head.

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: 5

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 course head.

Italian 40. Advanced Oral Expression: Teatro dal vivo

Catalog Number: 0804 Enrollment: Limited to 12.

Elvira G. DiFabio and staff

Half course (spring term). Tu., Th., 3–5 and an hour to be arranged. EXAM GROUP: 6

Reading, analyzing, enacting plays by Nobel Prize-winners Luigi Pirandello and Dario Fo.



Student preparation culminates in the production of a theatrical work at the end of the term.

Note: Conducted in Italian. Open to graduate students with permission of the instructor.

Prerequisite: Italian 35, 36 or permission of course head.

Italian 44. Advanced Italian: Effetto Commedia

Catalog Number: 5776

Elvira G. DiFabio

Half course (fall term). M., W., F., at 1, includes film screenings. EXAM GROUP: 6

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. May be taken Pass/Fail or Sat/Unsat by GSAS students.

Prerequisite: Italian 36, 40 or permission of course head.

[Italian 48. Voices from Italy: Issues of Identity]

Catalog Number: 0178

Elvira G. DiFabio

Half course (spring term). Hours to be arranged.

An exploration of various identities of Italy, including that of non-Italians in contemporary Italy and Italians living abroad. Students will investigate these issues from a wide variety of sources, including popular music and films, news reports, and literary, historical and sociological texts. Frequent oral and written assignments. Grammar reviewed in context.

Note: Expected to be given in 2004–05. Conducted in Italian. Open to graduate students with permission of the instructor

Prerequisite: Italian Ca and 35 or permission of instructor.

Italian 50. Literary Translation

Catalog Number: 5676

Elvira G. DiFabio

Half course (spring term). M., W., at 1 and an hour to be arranged. EXAM GROUP: 6, 7

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: Conducted in Italian. Open to students who have passed Italian 40, 44 or by permission of the course head. Open to graduate students with permission of the course head. May be taken Pass/Fail or Sat/Unsat by GSAS students.

***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

Giuliana Minghelli and members of the Department and Tutorial Board

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Note: Conducted in Italian. Successful completion of one term 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.

Note: Successful completion of one term of Italian 98 is required of all honors concentrators.

***Italian 99. Tutorial — Senior Year**

Catalog Number: 7840

Elvira G. DiFabio and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: Successful completion of one term of Italian 99 is required of all honors concentrators.

Cross-listed Courses

[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

Ivano Paccagnella (University of Padova)

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Italian (like French, Spanish, Portuguese, etc.) is, effectively, Modern Latin. How did Italian, and the numerous dialects of Italy, come about? We examine the emergence of the new languages from Spoken Latin, consider the influence of foreign cultures, and the origin of selected words. Introduction to historical Phonetics and Grammar, early literary and “everyday” texts, the development of the Italian language and debates about its form from the Renaissance to the present.

Note: Conducted in Italian.

[Italian 113. On the Road: Geographies of Memory and Childhood in Italian Literature and Film (1942-1992)]

Catalog Number: 9482

Giuliana Minghelli

Half course (fall term). Hours to be arranged.

An introduction to the student to modern and contemporary Italian literature and film through a study of the representations of place and memory in fiction and film from the Second World War to the near present.

Note: Expected to be given in 2004–05. Language of instruction to be determined.



Italian 115. Introduction to the Italian Renaissance

Catalog Number: 4428

Diego Zancani (University of Oxford)

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Looks at the origins and the development of the movement known as the Italian Renaissance, its discoveries, its intellectual and artistic achievements: from the cupola of Florence cathedral to the princely courts, from the epic poetry and the fantasy world of Ariosto to the real-politik of Machiavelli, from books of manners to women's poetry and beyond.

Note: Conducted in Italian and English.

Italian 120a. Dante's Inferno

Catalog Number: 1186

Franco Fido

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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: Conducted in English.

[Italian 123. Semantics of Desire: The Erotic Theme in Dante's Poetry]

Catalog Number: 8912

Lino Pertile

Half course (fall term). Hours to be arranged.

Examines Dante's discourse on love, earthly and heavenly, in the context of the literature and culture of his times. In addition to a selection from Dante's *Comedy*, texts will include Book 4 of Virgil's *Aeneid*, Ovid's *Ars amatoria* and Andreas Cappellanus' *De amore*, Saint Bernard's commentary on the *Song of Songs*, Guinizzelli's and Cavalcanti's *Rime* and Iacopone da Todi's *Laude*.

Note: Expected to be given in 2005–06. Conducted in Italian.

Prerequisite: Reading knowledge of Italian.

Italian 155 (formerly Italian 255). Machiavelli and Guicciardini

Catalog Number: 2717

Franco Fido

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Niccolò Machiavelli and Francesco Guicciardini were among the sharpest witnesses of the climax and decline of Renaissance civilization. Their ideas will be discussed through readings of *Il Principe*, *I discorsi*, *I ricordi*, and excerpts from the *Storia d'Italia*.

Note: Conducted in English.

[Italian 167. Svevo e i Triestini]

Catalog Number: 5276

Giuliana Minghelli

Half course (spring term). Hours to be arranged.



Trieste, more than any other Italian city, is identified with its literature. We follow the meanderings of Italo Svevo's restless characters, Scipio Slataper's lyrical visions of geographical and linguistic redemption, and the everyday landscape of Umberto Saba's poetry to investigate how the lived space of fin-de-siècle Trieste informs the emergence of a literature that shaped Italian Modernism and decentered concepts of Italian cultural and national identity.

Note: Expected to be given in 2004–05. Conducted in Italian.

Italian 176. Il Modernismo Italiano: D'Annunzio, Svevo, Pirandello e oltre

Catalog Number: 7812

Giuliana Minghelli

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

In what sense can we speak of an Italian Modernism? We examine the Italian contribution to the Modernist project by analyzing key issues in reference to disruptive texts: the crisis of the naturalist aesthetic in D'Annunzio's fiction and Pirandello's drama; the various embodiments of the "diseased" subject of Modernism (Svevo's weak man, the "inept" and "indifferent" of Tozzi and Moravia); and the ethics of Modernism vis-à-vis the rise of Fascism.

Note: Conducted in Italian.

Italian 182. Italian Feminisms: Culture, Theory and Narratives of Difference

Catalog Number: 8471

Giuliana Minghelli

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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, Ginzburg, Banti, Ortese and others; movies by Wertmüller, Scola, and Archibugi.

Note: Conducted in English.

[Italian 191. Manzoni and Romanticism]

Catalog Number: 1019

Franco Fido

Half course (spring term). Hours to be arranged.

Manzoni's literary career from his early works to the *Storia della colonna infame*.

Note: Expected to be given in 2004–05. Conducted in Italian.

Italian 195. After History: Fable, Myth and Nature in Italian Post War Literature

Catalog Number: 1502

Giuliana Minghelli

Half course (fall term). Tu., 1–3 and an hour to be arranged. EXAM GROUP: 15, 16

After the trauma of World War II, Italian writers chose to represent history through what preexists, contradicts, or outlives the historical moment: Calvino tells the story of the Resistance in the style of a fairy tale; Ginzburg and Morante confront the historical with the everyday; Pasolini searches out the primitive and mythical. We investigate this defamiliarization of history and how its fictional telling becomes the locus of interpretation for Italian cultural identity.



Note: Conducted in English.

Prerequisite: Reading knowledge of Italian required.

[Italian 198. Italo Calvino and the Place of Literature]

Catalog Number: 0358

Giuliana Minghelli

Half course (spring term). Hours to be arranged.

From the paths of fairy tale to the Postmodern labyrinth of his later novels, we explore how the works of Italo Calvino insistently map a narrative geography of the world. By focusing on the image of the city, the heroic journey, myth, and cybernetics, we investigate the connection between Calvino's spatial imagination and his ongoing reflection on the value and function of literature.

Note: Expected to be given in 2004–05. Conducted in English.

Cross-listed Courses

Linguistics 110. Introduction to Linguistics

Primarily for Graduates

[Italian 220. Poesia del '200]

Catalog Number: 6181

Lino Pertile

Half course (fall term). Hours to be arranged.

Explores the riches and variety of forms, styles, and themes of Italian poetry before Dante from the Sicilian school to the Sweet New Style. The seminar is devoted mainly to reading and discussion of the most important texts of the period.

Note: Expected to be given in 2005–06. Conducted in Italian.

[Italian 230. Petrarca and the Divided Self]

Catalog Number: 5548

Lino Pertile

Half course (fall 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 2005–06. Conducted in Italian.

Italian 265r. Italian Literature: Seminar: The Italian Novel After Manzoni

Catalog Number: 6422

Franco Fido

Half course (fall term). W., 2:30–5. EXAM GROUP: 7, 8

History reality and autobiography in the novel of early and mid-nineteenth century. Works of Nievo, Tommaseo, Rovani, Collodi, etc., will be analyzed in the context of discussions on “historical” and “psychological” novels.



Note: Conducted in Italian.

Prerequisite: Familiarity with *I Promessi Sposi*.

[Italian 280r. Italian Literature: Seminar: La “Nuova Letteratura” del Settecento: Parini e Alfieri]

Catalog Number: 4251

Franco Fido

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2004–05. Conducted in Italian.

Prerequisite: Reading knowledge of Latin and/or French desirable.

Italian 281r. Italian Literature: Seminar

Catalog Number: 1140

Franco Fido

Half course (spring term). W., 2:30–5. EXAM GROUP: 7, 8

Topic for 2003-04: Poesia del Neoclassicismo. Poetry in the first-half of the nineteenth century. Reading from Monti, Foscolo, Leopardi in the context of Neoclassicism and early Romanticism.

Note: Conducted in Italian.

Italian 283r. Italian Literature: Seminar

Catalog Number: 7767

Diego Zancani (University of Oxford)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Topic for 2003-04: Poesia del '900. Representative voices of 20th century and contemporary Italian poetry including Montale, Sereni, Zanzotto and Patrizia Valduga. Special attention to poets writing in dialect including Franco Loi and Raffaele Baldini.

Note: Conducted in Italian.

Italian 286r. Italian Literature: Seminar

Catalog Number: 3256

Ivano Paccagnella (University of Padova)

Half course (spring term). M., 2:30–5. EXAM GROUP: 7, 8

Topic for 2003-04: Renaissance Theater. 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 Italian.

[Italian 287ar. Italian Literature: Seminar]

Catalog Number: 0378

Lino Pertile

Half course (fall term). Hours to be arranged.



Topic for 2005-06: Dante's *Inferno*.

Note: Expected to be given in 2005-06.

[Italian 287br. Italian Literature: Seminar]

Catalog Number: 1103

Lino Pertile

Half course (spring term). Hours to be arranged.

Topic for 2005-06: Dante's *Paradiso*. A close reading and discussion of Dante's *Paradiso* and related critical literature.

Note: Expected to be given in 2005-06. Conducted in Italian.

Graduate Courses of Reading and Research

See Note to Graduate Courses of Reading and Research in French.

***Italian 320. Italian Literature: Supervised Reading and Research**

Catalog Number: 4834

Franco Fido 2446 and Lino Pertile 3416 (on leave 2003-04)

***Italian 330. Direction of Doctoral Dissertations**

Catalog Number: 3679

Franco Fido 2446 and Lino Pertile 3416 (on leave 2003-04)

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

Introduction to the language of the Incas, spoken by 12 million people in Colombia, Ecuador, Peru, Bolivia, northern Chile and Argentina. Quechua has simple structures but multiple expressive possibilities, and 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 necessary.

[Latin American Studies 70. Introduction to Latin American Studies](#)

Catalog Number: 3379

José Antonio Mazzotti

Half course (spring term). Tu., Th., 2:30-4. EXAM GROUP: 16, 17

Why is Latin America poor and sometimes politically unstable? Why its cultural and human richness? What is its enormous potential for the future? To address these questions, we focus on readings, films and music from the different Latin American regions. We also concentrate on the diversity, coexistence and divergence of ethnic traditions within national spaces. Through



interdisciplinary analysis, students are introduced to the complexity of Latin American societies, their urgent problems, and fascinating cultures.

Note: Conducted in Spanish, with some readings, lectures, and discussions in English.

[Latin American Studies 71. Latin American Film]

Catalog Number: 6755

José Antonio Mazzotti

Half course (fall 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 Revolución and Mexican post-revolutionary film, 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, and Armando Robles Godoy, and with the social, political and cultural contexts of their work.

Note: Expected to be given in 2004–05. Conducted in Spanish. Films in Spanish and Portuguese with English subtitles.

Cross-listed Courses

[*Freshman Seminar 36e. Spanish-American Culture and Society in the 1960s -- The Last Utopia?](#)

For Undergraduates and Graduates

[Latin American Studies 110. Dictatorship/Postdictatorship: Memory, Media and Market Culture](#)

Catalog Number: 2642

Luis E. Cárcamo-Huechante

Half course (fall term). Tu., Th., at 9, plus an hour to be arranged. EXAM GROUP: 11

Interdisciplinary course about the cultural changes that occurred during and after the dictatorships of the 1970s and 1980s in Argentina, Chile, and Uruguay. We will analyze the conflicting narratives about the period and the dramatic shift from the political, contestatory citizen to the market-oriented individual. Analysis and discussion of literary works, visual arts, cultural criticism, trauma theory, political economy and philosophy of history.

Note: Conducted in English.

Prerequisite: Reading ability in Spanish.

[Latin American Studies 117. The Cultural Transformation of Contemporary Bolivia]

Catalog Number: 7036

Luis E. Cárcamo-Huechante

Half course (fall term). Hours to be arranged.

Deals with the major cultural transformations in Bolivian society from the 1960s up until today in conjunction with issues of urban/rural culture, ethnicity, sexuality, political culture, and socioeconomic change. Looks at different types of cultural production: literature, art video, film, painting, textile art, performance. In addition, we will consider readings across disciplines:



history, cultural anthropology, sociology, literary and cultural criticism, gender studies.

Note: Expected to be given in 2004–05. Conducted in Spanish.

Latin American Studies 160. Advanced Topics in Latin American Film

Catalog Number: 8429

José Antonio Mazzotti

Half course (fall term). Film screenings: Tu., 7:30–10:30; lecture: Th., 2:30–4; sections: F., at 1 or 2. EXAM GROUP: 16, 17

Explores the complexities of two of the most important film industries in Latin America: the Cuban and the Argentine. This course offers both a theoretical and a practical approach to the Latin American film of the past fifty years, considering its political, cultural and social contexts. Readings include works by Birri, Getino, Solanas, Gutiérrez Alea, and other renowned directors and critics.

Note: Conducted in Spanish.

Latin American Studies 177. “Say You Want A Revolution”: Argentina and Brazil in the Sixties

Catalog Number: 0649

Gonzalo M. Aguilar

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

Scrutinizes the different representations of the revolutionary subject in literary and aesthetic works, focusing on Argentina and Brazil in the sixties, a moment in which political antagonisms are intensified. We aim to work with the different aesthetic languages in order to be able to think the cultural practices and modes through which literature and aesthetics intervene in the configuration of the social Latin American imaginaries.

Note: Conducted in Spanish.

Portuguese

Placement: The term “placement score” or “placement test” below and in the various course descriptions refers to the Portuguese placement test given during Freshman Week for freshmen, and usually on Registration Day for returning students.

Primarily for Undergraduates

Portuguese A. Beginning Portuguese

Catalog Number: 7130

Clémence Jouët-Pastré and staff

Full course (indivisible). M., W., F., at 12. EXAM GROUP: 5

Designed to introduce the student with little or no knowledge of the language to the Portuguese-speaking world. Teaches fundamental communication skills—understanding, speaking, reading, and writing—and, at the same time, provides exposure to the culture and civilization of Brazil and Portugal through media broadcasts, literature readings, films, music, and videotapes. By the end of the course, students should be able to communicate easily with native speakers as well as be acquainted with basic elements of Luso-Brazilian culture.



Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students; not open to auditors.

Portuguese Ac. Beginning Portuguese for Spanish Speakers

Catalog Number: 0430

Clémence Joüet-Pastré and staff

Half course (fall term). M., W., F., at 12 or 1. EXAM GROUP: 5, 6

An introductory language course designed for Spanish-English bilinguals. Along with the fundamental communication skills—understanding, speaking, reading and writing—the course will focus on those features of Portuguese which are most difficult for Spanish speakers: pronunciation, idioms and grammatical structures particular to Portuguese. Students will be introduced to the cultures of the Portuguese-speaking world through readings and authentic materials, including films, music and videotapes.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Not open to auditors.

Prerequisite: One of the following: Spanish SAT II -750; Harvard Spanish Placement Test - 750; Spanish AP - 5; 40's level Spanish course. Open to Spanish-English bilinguals.

Portuguese Ad. Beginning Portuguese for Spanish Speakers

Catalog Number: 1315

Clémence Jouët-Pastré and staff

Half course (spring term). M., W., F., at 12 or 1. EXAM GROUP: 5

A continuation of Portuguese Ac. By the end of the second term, students should be able to communicate easily with native speakers and be acquainted with basic elements of Luso-Brazilian culture.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Not open to auditors.

Prerequisite: Portuguese Ac.

Portuguese Ba. Introduction to Portuguese

Catalog Number: 0514

Clémence Jouët-Pastré and staff

Half course (spring term). Section I: M., W., 3–5; Section II: M., W., 5–7; Section III: Tu., Th., 3–5. EXAM GROUP: 8, 9

A basic introductory course for students who can devote only one term to the study of Portuguese. Teaches fundamental communication skills—understanding, speaking, reading and writing—but does not offer a complete study of grammar.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Not open to auditors.

Portuguese Ca. Intermediate Portuguese I

Catalog Number: 7692

Clémence Jouët-Pastré and staff

Half course (fall term). Tu., Th., 10–11:30; Tu., Th., 10–11:30; Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A beginning intermediate course for students interested in expanding and strengthening their



basic Portuguese linguistic skills. Reading, writing, and conversational competency is emphasized through the study of the Luso-African-Brazilian cultures. The course aims to promote cross-cultural understanding through the use of authentic materials such as literary texts, multimedia, film, music, and videotapes.

Note: Conducted in Portuguese. Recommended for students who wish to improve their ability to speak and write Portuguese. May not be taken Pass/Fail.

Prerequisite: Portuguese A or permission of instructor.

Portuguese Cb. Intermediate Portuguese II

Catalog Number: 2799

Clémence Jouët-Pastré and staff

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Aims to further develop the four communicative skills while expanding students' background knowledge of the history and cultures of the Portuguese-speaking world. Portuguese Cb covers the important grammar points not studied in Portuguese Ca.

Note: Conducted in Portuguese. May not be taken Pass/Fail.

Prerequisite: Portuguese Ca or permission of instructor.

Portuguese 37. Brasil hoje: Contemporary Brazilian Culture through Media

Catalog Number: 5024

Clémence Jouët-Pastré

Half course (fall term). Tu., Th., 2:30–4; Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An examination of contemporary Brazil as presented in the Portuguese-language press, television, literature, and film. Students will analyze the ways Brazilians and non-Brazilians construct different and conflicting images of Brazil and Brazilianess. Issues of race relations, national identity, ethnicity, and gender will be addressed. Discussions will be based on historical and literary texts, advertisements, films, videotapes of Brazilian television, and current issues of newspapers and magazines. A systematic grammar review is included.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students.

Prerequisite: Portuguese Ca/Cb or permission of the instructor.

Portuguese 38. Images of Brazil: Contemporary Brazilian Cinema

Catalog Number: 8893

Clémence Jouët-Pastré

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Examines major Brazilian films in their historical, political, and social context. Class discussion also focuses on documentaries, reviews, and critical articles. Aims at further developing and refining reading, writing, and oral skills in standard Portuguese.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students.

Prerequisite: Portuguese Ca/Cb or permission of the instructor.

Portuguese 40. Portuguese and the Community

Catalog Number: 3322

Clémence Jouët-Pastré and staff.



Half course (spring term). Tu., Th., 10–11:30 plus four hours of service per week. EXAM GROUP: 12, 13

An advanced language course examining the Luso-African-Brazilian experience in the United States. Promotes community engagement as a vehicle for greater linguistic fluency and cultural understanding. Students will be placed with Boston-area community organizations and agencies. Class work focuses on readings and films by and about Luis-African-Brazilians and specific uses of Portuguese language from these communities. Authors include D. Macedo, Braga Martes, Margolis, Sales, Albues, and Villas Boas.

Prerequisite: Portuguese 37, 38 or a score of 100 on the Harvard Placement Test.

***Portuguese 91r. Supervised Reading and Research**

Catalog Number: 5589

Clémence Jouët-Pastré and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Limited to juniors and seniors.

***Portuguese 97. Tutorial — Sophomore Year**

Catalog Number: 5769

Clémence Jouët-Pastré and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Successful completion of one term of Portuguese 97 is required of all concentrators in their sophomore year.

***Portuguese 98. Tutorial — Junior Year**

Catalog Number: 8667

Clémence Jouët-Pastré and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Successful completion of one term of Portuguese 98r is required of all honors concentrators. To enroll see course head.

***Portuguese 99. Tutorial — Senior Year**

Catalog Number: 8753

Clémence Jouët-Pastré and members of the Department and Tutorial Board

Full course. Hours to be arranged.

For honors seniors writing a thesis. Successful completion of one term of Portuguese 99 is required of all honors concentrators. To enroll, see course head.

For Undergraduates and Graduates

Portuguese 121a. Introduction to the Literature of Brazil I

Catalog Number: 5164

Joaquim-Francisco Coelho

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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). Special attention paid to the social forces that continue to shape literary thought in Brazil.

Note: Conducted in Portuguese and English.

Prerequisite: Excellent reading knowledge of Portuguese.

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.

Note: Conducted in Portuguese and English.

Prerequisite: Excellent reading knowledge of Portuguese.

[Portuguese 122a. Introduction to the Literature of Portugal I]

Catalog Number: 2943

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

The main currents of Portuguese literature. Emphasis on major authors, literary schools, and socio-aesthetic ideas from Gil Vicente and Camões to Eça de Queiroz, Fernando Pessoa, Jorge de Sena and José Saramago. Aims to teach students to read Portuguese texts and to think and write about them in a broad Western European context.

Note: Expected to be given in 2004–05.

Prerequisite: Excellent reading knowledge of Portuguese.

[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 2004–05.

Prerequisite: Excellent reading knowledge of Portuguese.

[Portuguese 132. The Short Story in Brazil]

Catalog Number: 0679

Joaquim-Francisco Coelho

Half course (spring term). Hours to be arranged.

A survey of the development of the short story in Brazil from late Romanticism to the end of the twentieth century. Particular emphasis is paid to the structural development of the genre and contrast with their European counterparts. Alvares de Azevedo, Machado de Assis, Coelho Neto, Afonso Arinos, and João Alphonsus, Guimarães Rosa and Lygia Fagundes Teles are some of the authors studied.

Note: Expected to be given in 2004–05.

Prerequisite: Excellent reading knowledge of Portuguese.

[Portuguese 141. The Short Stories of Machado de Assis]

Catalog Number: 8700



Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

The course will analyze Machado's short stories in chronological order of composition, emphasizing their social content and the typically odd behavior of their characters.

Note: Expected to be given in 2004–05. Conducted in Portuguese and English.

Primarily for Graduates

Portuguese 219ar. Major Poems of the Portuguese Language I

Catalog Number: 2192

Joaquim-Francisco Coelho

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

A study of major lyrical texts of the Portuguese language, from medieval times to the present, with emphasis on poetry written in Portugal and Brazil after 1900. The approach is comparative, focusing on the formal aspects of poetry (meter, rhyme, rhythm).

Note: 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 continuation of Portuguese 219ar.

Note: Conducted in Portuguese.

[Portuguese 225. Modernist Poetry in Brazil: Manuel Bandeira and Carlos Drummond de Andrade]

Catalog Number: 7522

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

A study of these two major poets, focusing on common themes in their poetry and biographical coincidences (nostalgia for the homeland, discomfort with city life, the cult of the dead, etc.).

Note: Expected to be given in 2004–05. Conducted in Portuguese.

[Portuguese 227. Fernando Pessoa]

Catalog Number: 7375

Joaquim-Francisco Coelho

Half course (spring 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 2005–06. 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, Bradley S. Epps 2880, Luis Fernández-Cifuentes 2091, Mary Gaylord 2632, and Doris Sommer 2744

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 and a section to be arranged. 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- and web-based instruction and technology; and testing. Applicable to any language.

Note: Offered jointly with the Graduate School of Education as H-750. Open to qualified undergraduates.

Graduate Courses of Reading and Research

***Romance Languages 300. Seminar for Dissertation Writing in the Romance Literatures**

Catalog Number: 9758
Mary Gaylord 2632

Half course (fall term; repeated spring term). Bi-weekly meetings: W., 3–5, starting on 9/17.

Addresses prospectus preparation; scope, chapter organization, audience; politics and ethics of critical writing (acknowledgement, quotation, controversy); publishing (conference/job talks, articles, book). Biweekly meetings use readings, discussion, workshopping, guest lectures to focus on practical concerns.

Prerequisite: Completion or imminent completion of PhD general examinations.

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 (fall term), Virginie Greene (spring term) and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Romance Studies 97. Tutorial—Sophomore Year**

Catalog Number: 1994

Bradley S. Epps (fall term), Virginie Greene (spring term) and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Romance Studies 97 is required of all concentrators in their sophomore year.

***Romance Studies 98. Tutorial—Junior Year**

Catalog Number: 5203

Bradley S. Epps (fall term), Virginie Greene (spring term) and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Romance Studies 98 is required of all honors concentrators in their junior year.

***Romance Studies 99. Tutorial—Senior Year**

Catalog Number: 1067

Bradley S. Epps (fall term), Virginie Greene (spring term) and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: Weekly individual instruction. Successful completion of one term of Romance Studies 99 is required of all honors concentrators. To enroll, see the Undergraduate Adviser in Romance Studies.

For Undergraduates and Graduates

Romance Studies 120. Emergence of the Lyric Subject in Early Romance Poetry (12th to 16th Centuries)

Catalog Number: 8861

Mary Gaylord and Virginie Greene

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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: Conducted in English; texts in original and translation.

Prerequisite: Reading knowledge of one Romance language.

[Romance Studies 164. Civility in Early Modern Europe]

Catalog Number: 3895

Alexia E. Duc and Mary Gaylord

Half course (fall term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2005–06.

[Romance Studies 171. The Spanish Civil War from Both Sides of the Border]

Catalog Number: 5340

Bradley S. Epps and Susan R. Suleiman

Half course (spring term). Hours to be arranged.

The Spanish Civil War (1936–39) was not just a national but an international event, which mobilized the passions of major artists and writers as well as the public. We examine the impact and the representations of that war and its aftermath in France and Spain, with some reference to England and the US, from the 1930s to the present.

Note: Expected to be given in 2004–05. Conducted in English.

Prerequisite: Good reading knowledge of either French or Spanish.

Romance Studies 196. Other Romances: Literature, Cinema, and Queerness

Catalog Number: 0971

Bradley S. Epps

Half course (fall 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 Genet, Goytisolo, Caminha, Riera, Arenas, Puig, Peri Rossi, Gide, Rachilde, Yourcenar, Wittig, Lorca, Guibert, and others. Films by Pasolini, Almodóvar, Babenco, etc. will also be included.

Note: Conducted in English.

Primarily for Graduates

Romance Studies 201. Approaches to Theory

Catalog Number: 0934

Bradley S. Epps and members of the Department

Half course (fall term). Th., 1–4. EXAM GROUP: 15, 16

Intensive overview of major topics, problems, and questions in theoretical thought as related to critical practices in French, Italian, Spanish, Portuguese, and Catalan. Weekly discussions led by Prof. Epps and different members of the department. Units address philology, formalism, narratology, structuralism, post-structuralism, feminism, deconstruction, psychoanalysis,



Marxism, cultural studies, post-colonial studies, and queer theory.

Note: Conducted in English.

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. Beginning Spanish

Catalog Number: 4684

Johanna Damgaard Liander and staff

Full course (indivisible). M. through F., sections at 9, 10, 11, 1, or 2. EXAM GROUP: 2, 3, 11

A complete basic course for students with little or no knowledge of Spanish. Initial emphasis on speaking, and, in the spring term, more emphasis on reading and writing, introducing Hispanic culture through texts by García Márquez, Neruda, and others; and use of computer, video, and film materials. After Spanish A, students should be able to engage in everyday conversation with native speakers, and read straightforward texts, both fiction and non-fiction, with relative ease.

Note: Conducted in Spanish. May not be taken by students who have had more than 3 years of Spanish in high school. May not be taken Pass/Fail. Students 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, but may be taken Sat/Unsat by GSAS students. Students should section for the course on the Spanish Ax website.

***Spanish Bab. Intensive Beginning Spanish: Special Course**

Catalog Number: 5577 Enrollment: Limited to 15 students per section.

Johanna Damgaard Liander and staff



Full course (fall term; repeated spring term). Section I: M. through F., at 9 and Tu., Th., at 10; Section II: M. through F., at 11 and Tu., Th., at 12. EXAM GROUP: 2, 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 contact Dr. Liander before registration for fall term and before fall examination period for spring term.

Prerequisite: An advanced knowledge of at least one foreign language, preferably a modern Romance language.

Spanish Ca. Intermediate Spanish I

Catalog Number: 5914

Nina C. de W. Ingrao and staff

Half course (fall term). Sections M., W., F., at 9, 10, 11, and 1. EXAM GROUP: 2, 3, 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. At the end of the Ca-Cb sequence the student should be able to understand lectures in Spanish, converse on everyday topics, read material of average difficulty, and write with acceptable style.

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 450-599 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 Hispanic culture, art, and literature. Special listening materials used for insight into daily life in Spanish-speaking areas. After the Ca-Cb sequence, students should be able to understand lectures in Spanish, converse on everyday topics with a native speaker, read material of average difficulty and mature content, and write with acceptable style and correctness.

Note: Conducted in Spanish. May not be taken Pass/Fail. Students should section online for the course on the Spanish Cb website.

Prerequisite: Placement score of 550-599, Spanish Ca or permission of the instructor.

***Spanish Dab. Intensive Intermediate Spanish: Special Course**

Catalog Number: 4553

Adriana Gutiérrez and staff

Full course (fall term; repeated spring term). M. through F., at 10; Tu., Th., at 11. EXAM GROUP: 3, 12



A complete second-year course in one term. Geared toward motivated students with an elementary knowledge of Spanish who want to accelerate their progress in the language, consolidates and expands oral comprehension, speaking, reading and writing in Spanish through a dynamically comprehensive grammar review. Class materials include short stories, poetry, articles from the press, and films from Spain and Latin America. Oral communication skills stressed during class time; writing ability honed through reaction papers and compositions. *Note:* Conducted entirely in Spanish. May not be used to fulfill the language requirement and may not be taken Pass/Fail.

Prerequisite: Open to students who have passed Spanish A, Spanish 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 with permission from the course head.

Spanish 27. Oral Expression, I: El español hablado

Catalog Number: 5358

Nina C. de W. Ingrao and staff

Half course (fall term; repeated spring term). Sections M. through F., at 9, 12 and 1. EXAM GROUP: 2, 5, 10

Develops 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: Spanish Cb, 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, II: Temas de actualidad

Catalog Number: 0479

Nina C. de W. Ingrao and staff

Half course (fall term; repeated spring term). Sections M., W., F., at 12, and 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: Placement score of 660-689, Spanish 27, or by permission of the instructor.

Spanish 35. Upper-Level Spanish I: Cuatro países latinoamericanos

Catalog Number: 7127

Adriana Gutiérrez and staff

Half course (fall term). Sections M., W., F., at 10, 11, and 1. EXAM GROUP: 3, 4, 10

Designed to expand speaking and writing skills in Spanish, the course introduces students to the cultural expression-in literature, film, and journalism-of four Latin American countries each representing a unique perspective: Argentina, Peru, Colombia, and Mexico. In addition to in-



class discussions, course work involves a comprehensive grammar review and practice in writing. Readings include texts offering diverse cultural points of view.

Note: Conducted entirely in Spanish. May not be taken Pass/Fail, but may be taken Sat/Unsat by students at GSAS. Students should section for the course on the Spanish 35 website.

Prerequisite: Spanish Cb, Spanish 27, Spanish 30, or, for initial placement, to students who have received a score of 660-689 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

Adriana Gutiérrez 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: 3, 4, 10

Intended to complement Spanish 35, this course aims at consolidating and expanding students' fluency, accuracy and stylistic range in Spanish through an examination of diverse literary and cinematographic works which depict contemporary life in the large cities of Spain, Cuba, Puerto Rico, and Mexico. The course's thematic focus allows students to reflect on both the individual and social problematic of urban life while simultaneously providing contact with widely varying cultures and regional accents.

Note: Conducted entirely in Spanish. May not be taken Pass/Fail, but may be taken Sat/Unsat by students at GSAS. Students should section the course on the Spanish 36 website.

Prerequisite: Spanish 35, or, for initial placement, a score of 690-719 on the SAT II test or the Harvard Placement test, or permission of the instructor.

Spanish 40 (formerly Spanish 38). Spanish and the Community

Catalog Number: 8789 Enrollment: Limited to 12.

Johanna Damgaard Liander and staff.

Half course (fall term; repeated spring term). M., W., F., at 10, and four hours of service a week. EXAM GROUP: 3

An advanced language course which examines the Latin American and Latino experience in the United States, promoting community engagement as a vehicle for greater linguistic fluency and cultural understanding. Students will be placed with community organizations within the Boston area. Classwork focuses on readings and films by and about Latin Americans in the United States and specific uses of Spanish in these communities. Authors include Sandra Cisneros, Ilán Stavans, and Alberto Fuguet.

Note: Interested students must apply in writing *before* registration (fall term) and before Winter Recess (spring term) to Dr. Liander.

Prerequisite: Spanish 35, 36 or a score of 720 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. Ingrao and staff

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 Spanish 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, 4

An advanced language and culture course that focuses on short stories by some of the most important Spanish 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, Juan Rulfo, and others in their social, historical and cultural context.

Note: Conducted in Spanish. Students should section for the course on the Spanish 43 website.

Prerequisite: Spanish 35 or 36, or a placement score of 720 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, 4

An advanced language and 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: This course does not section on-line. Please attend the first class to be considered for admission. Conducted in Spanish. May not be taken Pass/Fail.



Prerequisite: Spanish 35 or 36, or a placement score of 720 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, 8

An advanced language course that aims to refine linguistic skills and develop a sophisticated style for the business/ legal world and the professions in general, with emphasis on vocabulary, syntax, and idiomatic usage. Attention to writing style in business documents, letters, and reports.

Creation and operation of a mock corporation. Discussion of articles and cultural patterns relating to business and society in Hispanic countries and in the United States. Fundamental business concepts are covered, 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, placement score of 720 or permission of the instructor.

Spanish 48. Perspectives on Mexico

Catalog Number: 5426 Enrollment: Limited to 35.

Johanna Damgaard Liander

Half course (fall term). Sections M., W., F., at 10, and 11. EXAM GROUP: 3, 4

An advanced language and 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 include interviews, selections from the press, films, and paintings, as well as literary and historical readings. Frequent written and oral assignments, and a thorough review of grammar, when necessary.

Note: This course does not section on-line. Please attend the first day of class to be considered for admission. Conducted in Spanish. May not be taken pass/fail. Not open to native speakers of Spanish.

Prerequisite: Spanish 35 or 36, or a placement score of 720 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., 2–3:30. EXAM GROUP: 16, 17

Designed to strengthen and develop students' competence in written expression. Through close reading of autobiographies, travel diaries, essays and sample texts drawn from politics, history, philosophy, and journalism, students learn different styles in descriptive, expository, argumentative, and creative writing. Special emphasis is placed on stylistic variations, lexical nuances, and complex grammatical structures. Students' work is discussed in class and in individual conferences.

Note: Conducted in Spanish. Recommended for concentrators and joint concentrators. Students should section for the course on the Spanish 53 website.

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 course head.

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 skills through the discussion and representation of Spanish and Spanish American plays. The course aims to fine-tune listening comprehension; improve pronunciation (practice of sounds, intonation and rhythm); and develop linguistic skills in presenting oneself, expressing emotion, debating, negotiating, counseling, persuading, etc. In addition to practical, corrective work, students will participate in a theatrical production as a final class project.

Note: Conducted in Spanish. Recommended for concentrators and joint concentrators. Students should section for the course on the Spanish 54 website.

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.

Spanish 70a. 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 critical approaches in the study of premodern Spanish literature through the 15th century. Works and authors include: *Cantar de mio Cid*, Gonzalo de Berceo, Alfonso X, Juan Ruiz (*Libro de buen amor*), Juan Manuel (*El conde Lucanor*), the Romancero, Diego de San Pedro (*Carcel de amor*), Jorge Manrique, Juan de Mena (*Laberinto de Fortuna*), Marques de Santillana and *La Celestina*.

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.

[Spanish 70b. Golden Age Literature]

Catalog Number: 1229

Mary Gaylord

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 2004–05. 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.



Spanish 71a. Demons, Pirates, and Saints: Survey on Colonial Spanish American Literature

Catalog Number: 4319

José Antonio Mazzotti

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to the chronicles of discovery and conquest (Bernal Díaz, Las Casas, Cabeza de Vaca) and other colonial classics (Inca Garcilaso, Sor Juana, Miramontes, Acosta). The course also traces the links between colonial writing and some contemporary works of Latin American literature (Carpentier, Asturias), and gives room to the debate on longstanding cultural topics, such as la Malinche, the Virgin of Guadalupe, Santa Rosa de Lima, Lutheran piracy, and la Perricholi.

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.

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.

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). M., W., F., at 10. EXAM GROUP: 3

Introduces students to Spanish-American literature from the end of the nineteenth to the late twentieth century, aiming at an analysis of how the literary texts imagine the figure of the writer and his/her symbolic status in the economic and social world. Readings by Rubén Darío, José Martí, Delmira Agustini, Jorge Luis Borges, Juan Rulfo, José María Arguedas, Gabriel García Márquez, José Lezama Lima, Alejandra Pizarnik, among others.

Note: Conducted in Spanish.

Spanish 82. Reading/Writing Cities: The Genre and Gender of Urban Chronicle

Catalog Number: 8184

Luis E. Cárcamo-Huechante

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Will examine how *crónica urbana* deals with the economies of modernization and neomodernization, and the crossings between literature, politics, social marginality, and gender position in the cityscapes of the Americas. Writers to be studied are José Martí, Roberto Arlt, Elena Poniatowska, Carlos Monsiváis, Pedro Lemebel and María Moreno. Creative writing (*crónicas*) and field-work in the great Boston area will be part of the student's work.

Note: Conducted in Spanish.

[Spanish 90m. Imagining Latin Americas: Neruda, Paz, García Márquez]

Catalog Number: 8609

Luis E. Cárcamo-Huechante

Half course (fall term). Hours to be arranged.

Analyzes the work of three major twentieth-century writers: Pablo Neruda, Octavio Paz, and



Gabriel García Márquez. Special emphasis on the modern dimension of their literary registers—poetry, novel, short story, and essay—as well as on the construction of the writer as a “public intellectual” and how their writings imagine the (Latin) American space.

Note: Expected to be given in 2004–05. Conducted in Spanish.

***Spanish 91r. Supervised Reading and Research**

Catalog Number: 1586

Johanna Damgaard Liander and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Spanish 97. Tutorial—Sophomore Year**

Catalog Number: 2315

Luis Fernández-Cifuentes

Half course (fall term). Tu., Th., at 10, plus an hour to be arranged. EXAM GROUP: 12

Theory in Praxis: Critical Controversies. Reading assignments will expose not only a variety of recent developments in literary criticism (as it has been practiced by prominent scholars, from Vygotsky to Barbara Johnson, on both prose and poetry) but also significant controversies that have accompanied and stimulated such development (Trilling versus Vendler on Wordsworth, Jakobson versus Riffaterre on Baudelaire, Alonso versus Spitzer on Fray Luis, etc.).

Requirements include short weekly papers and regular participation in class discussions.

Note: Conducted in Spanish. Required for all concentrators in their sophomore year, but open to others.

***Spanish 98. Tutorial—Junior Year**

Catalog Number: 5511

Johanna Damgaard Liander and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Spanish 98 is required of all honors concentrators in their junior year.

***Spanish 99. Tutorial—Senior Year**

Catalog Number: 5867

Johanna Damgaard Liander and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Weekly individual instruction for honors seniors writing a thesis.

Note: Successful completion of one term of Spanish 99 is required of all honors concentrators.

To enroll, see the Undergraduate Adviser in Spanish.

Cross-listed Courses

Foreign Cultures 35. Barcelona y la modernidad

Foreign Cultures 37. Madrid, fin-de-siècle

***Freshman Seminar 36e. Spanish-American Culture and Society in the 1960s -- The Last Utopia?**

Literature and Arts A-57. Bilingual Arts



For Undergraduates and Graduates

Open to students with 750 on the Harvard Placement Test or SAT II, a score of 5 on the Advanced Placement Test in language or literature, previous coursework at Harvard of an appropriate level, or by permission of the instructor. For other related courses, see also Latin American Studies.

[Spanish 120. Medieval Spain in the *Poem of the Cid*]

Catalog Number: 1579

Luis M. Girón Negrón

Half course (spring term). Hours to be arranged.

Major themes and critical approaches in the study of the Castilian epic poem *Cantar de mio Cid* and the Cidian tradition (especially in the *Romancero*).

Note: Expected to be given in 2004–05. Conducted in Spanish.

Spanish 124. Don Quixote

Catalog Number: 1378

Mary Gaylord

Half course (spring term). Tu., W., at 1; W., at 2; Th., at 1. EXAM GROUP: 6, 15

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 135. Writing Women: Language, Culture, and Difference in 20th-Century Spanish Narrative]

Catalog Number: 1015

Bradley S. Epps

Half course (spring term). Hours to be arranged.

Examines the situations and transformations of contemporary narrative fiction by Spanish women. Issues studied include gender, sexuality, and cultural production; oppression and resistance; war and remembrance; the rights of the individual; literary form and sexual identity; autobiography or self-invention; relations between the family and the state. Authors: Carmen de Burgos, Víctor Català, Carmen Laforet, Mercè Rodoreda, Carmen Martín Gaité, Esther Tusquets, Rosa Montero, Carme Riera, Maria Barbal, Cristina Fernández Cubas. Theoretical and critical texts are included.

Note: Expected to be given in 2005–06. Conducted in Spanish.

[Spanish 143 (formerly Spanish 243). Foundational Fiction and Film]

Catalog Number: 3129

Doris Sommer

Half course (fall term). Hours to be arranged.

As moderns, we may assume that national identity is as natural as gender identity. Explores the analogy and the mutual implications of nation and sexuality through selected “national romances,” and theoretical speculations by Benedict Anderson, Foucault, Lukács, de Man, and Benjamin, among others. Our analysis will include the ways these novels have shaped the



national imaginary for generations: through film, telenovels, and opera.

Note: Expected to be given in 2004–05. Conducted in Spanish.

Spanish 147. Power and the Sacred in Hispanic Literatures

Catalog Number: 9728

Luis Fernández-Cifuentes

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Starting with the identification of modern notions of Power (from Marx to Foucault) as well as modern intimations of the Sacred (mostly vis-à-vis Religion), the course will go on to analyze representations of both Power and Sacred—their iconography and, especially, their interaction with each other in the strategies of seduction and opposition which characterize Modernity—in the works of major Hispanic writers, from Galdós to Vargas Llosa, from Borges to María Zambrano.

Note: Conducted in Spanish.

Spanish 155. Inventing Cultural and Political Myths in Latin American Culture

Catalog Number: 7904

Diana Sorensen

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

We scrutinize the cultural strategies that produce the negotiation between concealment and revelation or invention leading to mythical representations of historical figures who are made to articulate politics and culture. Figures to be studied include Simon Bolívar, Domingo F. Sarmiento, Jose Martí, la Malinche, Eva Perón, Che Guevara, Rigoberta Menchú

Note: Conducted in Spanish.

[Spanish 157. Forms of Representation: The Fantastic, Magical Realism, the Historical Novel, and *Testimonio*]

Catalog Number: 2220

Diana Sorensen

Half course (spring term). Hours to be arranged.

A study of the varying forms of the representation of the “real” in texts which range from unsettling our conceptions of what can be construed as normal, to those which claim truth value by invoking the authority of experience.

Note: Expected to be given in 2004–05. Conducted in Spanish.

[Spanish 175. Gabriel García Márquez]

Catalog Number: 1743

Diana Sorensen

Half course (fall term). Hours to be arranged.

A study of some of his major novels, short stories, journalistic writings, and his memoirs, with attention to literary form and style, as well as to their socio-historical contexts of production and reception.

Note: Expected to be given in 2004–05.

[Spanish 177. Spanish Fiction in Small Format]

Catalog Number: 4126



Luis Fernández-Cifuentes

Half course (spring term). Hours to be arranged.

Is the short story a marginal or a central literary genre? Except for length, what is it exactly that characterizes it, vis-à-vis a novel, a play or a poem? Where are short stories published and who are their readers? How have they evolved? Can they be approached just like any other genre? We will try and find some answers following the long trail of Spanish short stories, from the 14th century to the present.

Note: Expected to be given in 2004–05.

[Spanish 178. Travel Literature in Spanish]

Catalog Number: 1188

Luis Fernández-Cifuentes

Half course (spring term). Hours to be arranged.

From the start (c. 1845), modern travel found in Spain a favorite destination, but an equivocal one: it was backward yet fashionable, it was “Oriental” but just around the corner, it was both poor and seductive, worn out and glamorous. We explore the configuration of Spanish national identity through the texts produced by European, North and South American, and Spanish travelers in the Iberian Peninsula over the past hundred and fifty years.

Note: Expected to be given in 2005–06.

Spanish 183. The New Latin American Narrative

Catalog Number: 1372

Mayra Santos-Febres (University of Puerto Rico)

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Examines new developments in Latin American and Caribbean literature in Spanish written by the latest and youngest writers in the continent. Explores short stories and novels of authors including Maria Fasce (Argentina), Karla Suárez (Cuba/Paris), Edmundo Paz Soldán (Bolivia), Enea Lucía Portela (Cuba), Alberto Fuguet (Chile), Mayra Santos-Febres (Puerto Rico). Topics include developments in recent Latin American literature that questions magical realism; Latin American neo-thriller texts; the Latin American women writers’ boom of the 1980’s.

[Spanish 184. Constructing Gender in Spanish America: “Man” and “Woman”]

Catalog Number: 2186

Diana Sorensen

Half course (spring term). Hours to be arranged.

Charting the social and discursive constructions of sexual differences, our study focuses on gender as a category of analysis. We scrutinize it as a system, mapping feminism and masculinity studies as we address questions of identity, authority, and authorship. Readings in fiction and poetry include Mistral, Neruda, Ferré, Castellanos, Molloy, Bellatín, Donoso, Cortázar, Borges, and others.

Note: Expected to be given in 2005–06. Conducted in Spanish.

Spanish 185. Memory, History, and Fiction in Spanish American Writing

Catalog Number: 3774

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 186. Tobacco and Sugar

Catalog Number: 1141

Doris Sommer

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

“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. Different crops produced different political and cultural responses. Along with a general view of musical forms and plastic arts, and political developments, we concentrate on literary works including *Cecilia Valdés*, and other abolitionist novels, the Dominican *Over* and Puerto Rico’s *La charca*, writings by Hostos, Bonó, and others.

Note: Conducted in Spanish and English.

Spanish 188. Latino Lives: Workshop and Readings in Self-Narratives

Catalog Number: 8859

Mayra Santos-Febres (University of Puerto Rico)

Half course (spring term). Tu., Th., 4–5:30. EXAM GROUP: 18

Focus on novels and short stories written by Latino and Latin American contemporary writers. Studies the way in which these texts create a self-narrative that plays with the distinction of the category of fiction. The course also focuses on the development of self-narratives by attending students. Strong emphasis on creative work.

Note: For students interested in creative writing, Romance languages, and ethnic studies.

[Spanish 191. Jorge Luis Borges and Julio Cortázar]

Catalog Number: 5420

Diana Sorensen

Half course (fall term). Hours to be arranged.

A course devoted to their major writings and to the ways in which they have established productive dialogues with critical theory and with other literary traditions.

Note: Expected to be given in 2004–05. Conducted in Spanish.

[Spanish 194. Latino Cultures]

Catalog Number: 2888

Doris Sommer, David L. Carrasco, and Marcelo Suárez-Orozco (Education School)

Half course (fall term). Hours to be arranged.

Hispanics in the United States show that double consciousness is not only a burden, but can be a blessing too. Hybrid identities develop irony about simple belonging. What is particular and what shared by other “minorities” about Latino writing, education, music, visual arts, religion? How do gender, class, and national origin intervene?

Note: Expected to be given in 2005–06. Conducted in English.



[Spanish 198 (formerly Spanish 90k). Cultural Spaces: Representations of the Country, the City and the Border in Spanish American Writing]

Catalog Number: 9252

Diana Sorensen

Half course (fall term). Hours to be arranged.

How is space represented in the cultural imagination? What cultural, psychological, ideological, and social forces come into play in its production? How do nations build their notions of place, how do they conceive the negotiations between the country and the city? What does the border mean in today's world of exile and migration? Texts by Virgil, Horace, Sarmiento, José Hernández, Darío, Güiraldes, Borges, Arguedas, Gallegos, Traba, Lihn, Anzaldúa, Poniatowska, and others.

Note: Expected to be given in 2005–06. Conducted in Spanish.

Cross-listed Courses

[Comparative Literature 111. From Type to Self in the Middle Ages](#)

[\[Comparative Literature 112. Religion and Literature in the Middle Ages\]](#)

[Women's Studies 1202 \(formerly Women's Studies 134\). Women's Writing and Film in Latin America and the Caribbean](#)

Primarily for Graduates

[Spanish 201. The History of the Spanish Language]

Catalog Number: 5610

Luis M. Girón Negrón

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 2004–05. Conducted in Spanish.

[Spanish 204 \(formerly Spanish 104\). Love and Power in 14th-Century Castille: Juan Ruiz and Juan Manuel](#)

Catalog Number: 1181

Luis M. Girón Negrón

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Love and power as the thematic axes in two classics of premodern Spanish verse and prose, respectively: Juan Ruiz's *Libro de buen amor* and Juan Manuel's *Conde Lucanor*. A close reading of both works with due attention to major critical trends and approaches in the scholarly literature.

Note: Conducted in Spanish.

[Spanish 211. The Making of the Modern Lyric Subject: Spanish Poetry of the 16th Century]

Catalog Number: 2899

Mary Gaylord

Half course (spring term). Hours to be arranged.



Lyric practice of major Renaissance poets. Subjects covered include imitation of models, sacred and secular voices, lyric and epic, poetry and politics. Readings from Garcilaso, Luis de León, Juan de la Cruz and others.

Note: Expected to be given in 2004–05.

Spanish 212. Baroque Poetry and Poetics: Seminar

Catalog Number: 6511

Mary Gaylord

Half course (fall term). F., 1–3:30. EXAM GROUP: 6, 7

Three major poets—Góngora, Lope de Vega, Quevedo—considered in light of late Renaissance theory and practice of poetic imitation. Readings include commentaries, aesthetic treatises and documents from the controversy surrounding Góngora.

Note: Conducted in Spanish.

Spanish 241. The Great Nineteenth Century: Founders of Nations and Traditions

Catalog Number: 6169

Diana Sorensen

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

A cultural study of nation-building through the writings of founders who reflected on the articulations between the state, the production of citizens, and the role of culture.

Note: Conducted in Spanish.

[Spanish 242. Critical Theory and Latin America]

Catalog Number: 4548

Diana Sorensen

Half course (fall term). Hours to be arranged.

An examination of major critical paradigms and how to think about them as we read the Spanish American repertoire. Theoretical works by North American, Latin American and European thinkers.

Note: Expected to be given in 2004–05. Conducted in Spanish.

[Spanish 259 (formerly Spanish 181). Latin American Avant-Garde(s) and Neo Avant-Garde(s): Aesthetics, Technology, and Commodity Culture]

Catalog Number: 3657

Luis E. Cárcamo-Huechante

Half course (spring term). Hours to be arranged.

Examines issues of aesthetics, technology, and commodity culture in the avant-garde projects in literature and the arts of the 1920s in Latin America, and also in the new avant-garde experiences of the late twentieth century

Note: Expected to be given in 2005–06. Conducted in Spanish.

[Spanish 262. Inquiries on Value: Economy, Aesthetics, and Culture]

Catalog Number: 3178

Luis E. Cárcamo-Huechante

Half course (spring term). Hours to be arranged.

Examines how the issue of value is theorized and imagined from aesthetics, political economy,



philosophy, and literature. Some authors to be studied: Kant, Marx, Simmel, García Canclini, Artl, Lezama Lima, Onetti, and Eltit.

Note: Expected to be given in 2004–05. Conducted in Spanish.

Spanish 264. Poetic Discourse and Symbolic Value: The Case of Chilean Poetry

Catalog Number: 6592

Luis E. Cárcamo-Huechante

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Examining writings of major Chilean poets, this seminar reflects on poetry and the figure of the poet as “discursive formations” constituted by, and constitutive of, social, economic and symbolic, local, national and global imageries.

Note: Conducted in Spanish.

[Spanish 267. Postcolonial Intellectuals and the Question of Citizenship in Spanish America]

Catalog Number: 9211

Diana Sorensen

Half course (fall term). Hours to be arranged.

Interrogates postcolonial theory by reflecting on its usefulness and its limitations for working out a critique of nineteenth- and twentieth-century Spanish American intellectuals. Sarmiento, Lugones, Martínez Estrada, Cortázar, Dussel, González Prada, Mariátegui, Arguedas, Ardao, Rivera Cusicanqui, Paz, O’Gorman, Anzaldúa, Cisneros, and García Canclini.

Note: Expected to be given in 2005–06. Conducted in Spanish.

Spanish 268. A Rhetoric of Particularism

Catalog Number: 0612

Doris Sommer

Half course (spring term). W., 4–6. EXAM GROUP: 9

Some texts resist “competent” readers with barriers that more reading will not overcome. Anglo and Latin American authors use various strategies to raise concerns about the hermeneutic project. Primary texts alternate with interpretive theories.

Note: Conducted in English.

[Spanish 272. Aesthetics from the Margins]

Catalog Number: 1870

Doris Sommer

Half course (spring term). Hours to be arranged.

A reconsideration of standard authors, including Aristotle, Kant, Schiller, Shklovsky, and Barthes through engagements with Latin American interpreters and practitioners of literary arts, such as Paz, Borges, Rama, Carpentier, Lezama, and Cortázar among others.

Note: Expected to be given in 2004–05.

[Spanish 282r. The Human Comedy According to the “Other” Cervantes: Seminar]

Catalog Number: 3114

Mary Gaylord

Half course (spring term). Hours to be arranged.



Explores Cervantes' comic vision in verse, drama and narrative. Emphasis on technical, metaliterary and political aspects of his reinvention of inherited genres. Texts include *La Galatea*, *Novelas ejemplares*, *Viaje del Parnaso*, *interludes*, and *Persiles*.

Note: Expected to be given in 2005–06.

[Spanish 285ar. Urban Strategies in 19th-Century Narrative: Galdós and the City: Seminar]

Catalog Number: 4099

Luis Fernández-Cifuentes

Half course (fall term). Hours to be arranged.

Galdós's major *Novelas Contemporáneas* are read in light of the analytical discourses on the modern city produced by several generations of cultural critics, from Simmel and Benjamin to de Certeaux and Vidler.

Note: Expected to be given in 2005–06. Conducted in Spanish.

Spanish 285br. Bodies and Spaces in Spanish Poetry, from Bécquer to Nueve Novísimos: Seminar

Catalog Number: 9786

Luis Fernández-Cifuentes

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

One hundred years of Spanish poetry—Bécquer, Rosalía de Castro, Darío, Unamuno, Machado, Jiménez, Generation of '27, the 1950s, the “novísimos”—studied in the context of European poetic movements and alongside developments in critical methodologies.

Note: Conducted in Spanish.

[Spanish 285cr. Spanish Literature: Seminar]

Catalog Number: 1104

Luis Fernández-Cifuentes

Half course (spring term). Hours to be arranged.

Topic for 2004-05: Ilustración y Romanticismo

Note: Expected to be given in 2004–05.

[Spanish 287r. Spanish Literature: Seminar]

Catalog Number: 4779

Bradley S. Epps

Half course (spring term). Hours to be arranged.

Topic for 2003-04: The Ethics of Representation: Modern Spanish Narrative. Examines the relations between “the beautiful” and “the good,” aesthetic autonomy and social responsibility, in works by Unamuno, Baroja, Sagarra, Sánchez Ferlosio, Martín Santos, Martín Gaité, Goytisolo, Benet, Rodoreda, and Millás.

Note: Expected to be given in 2004–05. Conducted in Spanish.

Spanish 295r. The Life and Works of El Inca Garcilaso de la Vega: Seminar

Catalog Number: 1310

José Antonio Mazzotti

Half course (spring term). M., 3:30–6. EXAM GROUP: 8, 9



Examination of the *Diálogos de amor*, *La Florida* and *Comentario reales* in relation to Renaissance topics, classical sources, and Andean culture. The formation of a colonial *mestizo* subjectivity is also discussed using post-colonial theory.

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

Luis E. Cárcamo-Huechante 4053, Joaquim-Francisco Coelho 7715, Bradley S. Epps 2880, Luis Fernández-Cifuentes 2091, Mary Gaylord 2632, Luis M. Girón Negrón 3060, José Antonio Mazzotti 3083, Doris Sommer 2744, and Diana Sorensen 4214

***Spanish 330. Direction of Doctoral Dissertations**

Catalog Number: 2143

Luis E. Cárcamo-Huechante 4053, Joaquim-Francisco Coelho 7715, Bradley S. Epps 2880, Luis Fernández-Cifuentes 2091, Mary Gaylord 2632, Luis M. Girón Negrón 3060, Francisco M. Villanueva 5064, José Antonio Mazzotti 3083, Doris Sommer 2744, and Diana Sorensen 4214

Russia, Eastern Europe, and Central Asia

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Standing Committee on the AM in Regional Studies—Russia, Eastern Europe, and Central Asia

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Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and
Professor of Comparative Literature (*on leave fall term*)

Julie A. Buckler, Professor of Slavic Languages and Literatures

Patricia R. Chaput, Professor of the Practice of Slavic Languages



Grzegorz Ekiert, Professor of Government
Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology (*on leave 2003-04*)
George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature (*on leave fall term*)
Yoshiko M. Herrera, Associate Professor of Government (*on leave 2003-04*)
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Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History
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Cindy Skach, Assistant Professor of Government
Justin Weir, Assistant Professor of Slavic Languages and Literatures (*on leave fall term*)

This is a two-year interdisciplinary program leading to the AM degree. For details, see the supplement, "AM in Regional Studies—Russia, Eastern Europe, and Central Asia." 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 and Eurasian Studies — 625 Massachusetts Avenue, Cambridge, MA, 02139.

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 departments offering courses of interest in 2003-04:

Economics Government History Near Eastern Languages and Civilizations: see Islamic Civilizations
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 Cultures, Associate of Lowell House (*Head Tutor and Director of Graduate Studies*)

Diana L. Eck, Professor of Comparative Religion and Indian Studies (*on leave spring term*)

Rena Fonseca,

Naseem A. Hines, Preceptor in Urdu-Hindi

Lawrence J. McCrea, Visiting Lecturer on Sanskrit

Parimal G. Patil, Assistant Professor of the Study of Religion and of Sanskrit and Indian Studies

Shafique Nizarali Virani, Preceptor in Urdu-Hindi

Michael Witzel, Wales Professor of Sanskrit



Other Faculty Offering Instruction in the Department of Sanskrit and Indian Studies

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)
Richard H. Meadow,

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Sat/UNS. Students should consult with course heads to determine if a course is offered on that basis.

Indian Studies

Primarily for Undergraduates

[*Indian Studies 91r. Supervised Reading and Research](#)

Catalog Number: 0247

Ali S. Asani and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: 8, 17

Supervised reading leading to a long term paper in a topic or topics not covered by regular courses of instruction.

Note: A graded course. Offered at the discretion of the individual instructors.

[*Indian Studies 98r. Tutorial — Junior Year](#)

Catalog Number: 4757

Ali S. Asani and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators in the South Asian Studies option.

[*Indian Studies 99. Tutorial — Senior Year](#)

Catalog Number: 6111

Ali S. Asani and members of the Department

Full course. Hours to be arranged.

Note: Required of concentrators in the South Asian Studies option.

Cross-Listed Courses

[*English 90ui. The Indian Novel in English](#)

[Foreign Cultures 12. Sources of Indian Civilization]

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies](#)

[*Freshman Seminar 32x. Topics in Indo-Tibetan Buddhism](#)

[*Freshman Seminar 44p. Contemporary India: Fact and Fiction](#)

[Historical Study A-15. Politics and Society in the Making of Modern India](#)

[Historical Study A-16. The Making of Modern South Asia](#)

[Linguistics 170. Structure of Hindi]

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

For Undergraduates and Graduates



Indian Studies 107. Tradition and Modernity in the Urdu-Hindi Short Story

Catalog Number: 5952

Naseem A. Hines

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A survey of themes of tradition and modernity in Urdu-Hindi short stories. We begin with Premchand and Phanishwarnath Renu's works, proceed to progressive writers like Manto, Chughtai, Bedi, and Krishan Chandar who broke away from social morality to confront taboo topics like urban decay and sex, and examine events leading to the evolution of New Story of Nirmal Varma, Asghar Wazahat, Mridula Garg, and Mannu Bhandari.

Note: All readings in English. Students may access parts in Urdu-Hindi.

Indian Studies 110. History of South Asia to 1200 CE

Catalog Number: 7405

Michael Witzel

Half course (spring term). F., 3–6. EXAM GROUP: 8, 9

Examines the various sources available for the understanding of Indian history, from the prehistoric beginnings until c. 1200 CE, including texts, inscriptions, foreign accounts, linguistics, archaeology, anthropology, and genetics. Gives a synopsis of evidence relating to the Indus culture, the Vedic period, the early Maurya, Kushana and Gupta empires, and the regional states of the Medieval period. Takes into account recent discussions on rewriting early South Asian history from a nationalistic point of view.

Indian Studies 115. Voices of Indian Women in Literature and Film: Seminar

Catalog Number: 3821 Enrollment: Limited to 15.

Rena Fonseca

Half course (spring term). Tu., 1–4, and a weekly film screening to be arranged. EXAM GROUP: 15, 16, 17

Examining major themes in the lives of Indian women through literature and film. Women occupy a complex, often contradictory place in Indian society, simultaneously deified and oppressed, politically empowered, but routinely denied basic healthcare. Topics: Partition and violence, social activism, literacy and fertility, arranged marriage and the caste system, dowry deaths and sati, Bollywood representations of women, and voices from the Indian diaspora. Readings: Lahiri, Markandaya and Tendulkar; films: Ray, Mehta, Nair, Patwardhan and Benegal.

[Indian Studies 117 (formerly *Indian Studies 216). Early History of South Asia]

Catalog Number: 4919

Michael Witzel and Richard H. Meadow

Half course (spring 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 BCE. 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 2004–05.



Indian Studies 118. Indian Philosophy: Advanced Introduction

Catalog Number: 2709

Parimal G. Patil

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Discusses selected topics in Indian epistemology, philosophy of language, philosophy of mind, philosophy of religion, and metaphysics. We pay particular attention to the philosophical content of sectarian debates between Buddhist, Hindu, and Jaina philosophers and attempt to assess their arguments. Readings for the course include translations of primary texts, and some selected secondary material.

Note: No knowledge of India or Sanskrit assumed or required.

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]

History 1897. Nation, Reason and Religion in South Asia

***Music 190r (formerly *Music 190r). Topics in World Music: Proseminar**

***Music 190rs. Topics in World Music: Proseminar**

Persian 140ar. Selected Readings in Classical Persian Literature

Religion 1063. South Asian Religious Aesthetics: Seminar

[Religion 1069. Christianity in India: Seminar]

[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 1600. Introduction to the Hindu Traditions of India]

[Religion 1625. Indian Religions Through Their Narrative Literatures]

Religion 1631. Hindu Traditions of Devotion

Religion 1640. The Study of Hinduism in the Post-Modern, Post-Colonial World: Seminar

[Religion 1650. Modern Hindu Movements: Seminar]

[Religion 1670. Approaching Hinduism: Theories, Texts, and Practices]

Religion 1706. South Asian Buddhism: Dharmas, Emptiness, and Idealism

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). F., 2–5. EXAM GROUP: 7, 8, 9

Note: Required for all Sanskrit-track PhD students.

[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.



The diversity of South Asian civilizations is approached through an in-depth study of a particular region: its geography, history, religion, language, literature, art, anthropology, society, and politics. Mutual influences within the South Asian subcontinent examined.

Note: Expected to be given in 2005–06.

[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.

Note: Expected to be given in 2005–06.

[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 cosmogonic myths contrasted with comparable ones from other Indo-European and Asian traditions. The respective mythological systems, possible interpretations, and an emerging framework for their form and structure are investigated.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 3840.

[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 2004–05. Knowledge of Sanskrit not required.

Cross-listed Courses

[*Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar]

[History 2892. Colonial and Post-Colonial Histories of South Asia](#)

[Linguistics 220ar. Advanced Indo-European](#)

[Religion 2760. Buddhism and its Critics]

Graduate Courses of Reading and Research

***Indian Studies 302. Reading and Research**

Catalog Number: 1405

Ali S. Asani 7739, Diana L. Eck 4514 (on leave spring term), Parimal G. Patil 4478, and

Michael Witzel 1602



Sanskrit

Primarily for Undergraduates

***Sanskrit 91r. Supervised Reading and Research**

Catalog Number: 5497

Ali S. Asani and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading of texts in Sanskrit not covered by regular courses of instruction.

Note: A graded course. Offered at the discretion of the individual instructors.

***Sanskrit 98r. Tutorial — Junior Year**

Catalog Number: 3117

Ali S. Asani and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators in the Sanskrit Language and Literature option.

***Sanskrit 99. Tutorial - Senior Year**

Catalog Number: 9745

Ali S. Asani and members of the Department

Full course. Hours to be arranged.

Note: Required of students writing a thesis in the Sanskrit Language and Literature track.

For Undergraduates and Graduates

Sanskrit 101a. Elementary Sanskrit

Catalog Number: 8140

Lawrence J. McCrea

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Sanskrit 101b. Elementary Sanskrit

Catalog Number: 6892

Lawrence J. McCrea

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Continuation of Sanskrit 101a.

Sanskrit 102a. Intermediate Sanskrit I

Catalog Number: 4843

Lawrence J. McCrea

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Selected readings in verse and prose, drawn primarily from the Epics and Classical poetic works.

Sanskrit 102b. Intermediate Sanskrit II

Catalog Number: 4916

Lawrence J. McCrea



Half course (spring term). M., W., F., at 12. EXAM GROUP: 5
Continuation of Sanskrit 102a.

Primarily for Graduates

Sanskrit 200ar. Advanced Poetic Sanskrit

Catalog Number: 3658

Michael Witzel

Half course (fall term). Hours to be arranged.

Selected readings from inscriptions and documents.

Sanskrit 200br. Advanced Poetic Sanskrit

Catalog Number: 6510

Michael Witzel

Half course (spring term). Hours to be arranged.

Selected readings from inscriptions and documents.

[Sanskrit 201ar. Advanced Philosophical Sanskrit]

Catalog Number: 9986

Parimal G. Patil

Half course (fall term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2004–05.

Sanskrit 201br (formerly Sanskrit 201ar). Advanced Philosophical Sanskrit

Catalog Number: 5965

Parimal G. Patil

Half course (spring term). Hours to be arranged.

Topic to be announced.

[Sanskrit 204ar. Introduction to Vedic Sanskrit and Literature]

Catalog Number: 6123

Michael Witzel

Half course (fall term). Hours to be arranged.

Introduction to Vedic grammar. Selection of Vedic prose texts from the Yajurveda Samhitas, Brahmanas, Aranyakas and Upanisads. Builds on knowledge of elementary Sanskrit or Old Iranian.

Note: Expected to be given in 2004–05.

[Sanskrit 204br. Introduction to Vedic Sanskrit and Literature]

Catalog Number: 8944

Michael Witzel

Half course (spring term). Hours to be arranged.

Continuation of Sanskrit 204ar.

Note: Expected to be given in 2004–05.



[Sanskrit 208r. Hybrid Sanskrit]

Catalog Number: 3997

Parimal G. Patil

Half course (fall term). Hours to be arranged.

Selected readings in hybrid Sanskrit literature, with an emphasis on “Buddhist” Hybrid Sanskrit.

Note: Expected to be given in 2004–05.

Prerequisite: Two years of Sanskrit.

Sanskrit 215ar (formerly Sanskrit 215). Dharmasastra and Arthasastra

Catalog Number: 6599

Michael Witzel

Half course (fall term). Hours to be arranged.

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 spring term), Parimal G. Patil 4478, and Michael Witzel 1602

***Sanskrit 310. Direction of Doctoral Dissertations**

Catalog Number: 4371

Diana L. Eck 4514 (on leave spring term), Parimal G. Patil 4478, and Michael Witzel 1602

Pali

For Undergraduates and Graduates

Pali 101a. Introductory Pali

Catalog Number: 4129

Parimal G. Patil and members of the Department

Half course (fall term). Hours to be arranged.

Note: Given in alternate years.

Prerequisite: One year of Sanskrit.

Pali 101b. Introductory Pali

Catalog Number: 7320

Parimal G. Patil and members of the Department

Half course (spring term). Hours to be arranged.

Continuation of Pali 101a.

Note: Given in alternate years.

Prerequisite: One year of Sanskrit.

[Pali 102a. Intermediate Pali]

Catalog Number: 8376

Parimal G. Patil and members of the Department



Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2004–05. Given in alternate years.

[*Pali 102b. Intermediate Pali]

Catalog Number: 7748

Parimal G. Patil and members of the Department

Half course (spring term). Hours to be arranged.

Continuation of Pali 102a.

Note: Expected to be given in 2004–05. Given in alternate years.

Prerequisite: Pali 102a or equivalent.

Pali 103r. Readings in Pali

Catalog Number: 6985

Parimal G. Patil and members of the Department

Half course (fall term). Hours to be arranged.

Graduate Courses of Reading and Research

Nepali

For Undergraduates and Graduates

Nepali 101a. Introductory Nepali

Catalog Number: 8974

Michael Witzel and assistant

Half course (fall term). Hours to be arranged.

Nepali 101b (formerly Nepali 101). Introductory Nepali

Catalog Number: 3039

Michael Witzel and assistant

Half course (spring term). Hours to be arranged.

Urdu and Hindi

For Undergraduates and Graduates

Urdu 101. Introductory Urdu-Hindi

Catalog Number: 4078

Ali S. Asani and assistants

Full course (indivisible). M. through Th., (F.), at 11, 12, 3, or 4. EXAM GROUP: 4, 13

An introduction to the lingua franca of the subcontinent in its “Hindustani” form. Students are introduced to both the Perso-Arabic and the Devanagari script systems. Conventional teaching materials are supplemented by popular songs and clips from contemporary Indian cinema.

Note: Not open to auditors.



Urdu 102. Intermediate Urdu-Hindi

Catalog Number: 2941

Naseem A. Hines

Full course (indivisible). Tu., Th., 3:30–5. EXAM GROUP: 17, 18

Continuation of Urdu 101. Emphasis on written expression and texts in both Perso-Arabic and Devanagari script systems. Students are introduced to Urdu/Hindi fables, short stories, and various other genres of literature, including poetry.

Note: Not open to auditors.

Prerequisite: Urdu 101 or equivalent.

Urdu 103a. Advanced Urdu-Hindi

Catalog Number: 0700

Shafique Nizarali Virani

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

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 1. EXAM GROUP: 6

Continuation of Urdu 103a.

Urdu 104. The Classical Urdu Ghazal and Its Symbolism

Catalog Number: 0927

Naseem A. Hines

Half course (spring term). Tu., 7–9 p.m. 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.

Prerequisite: Urdu 102 or equivalent.

Urdu 105r. Topics in Urdu-Hindi Literature

Catalog Number: 5963

Ali S. Asani and assistants.

Half course (fall term; repeated spring term). 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.

[Urdu 106. Advanced Oral Proficiency in Urdu-Hindi]

Catalog Number: 3945

Naseem A. Hines

Half course (spring term). Hours to be arranged.

A course intended to raise levels of oral proficiency for advanced students and consolidate command over complex grammatical structures. By the end of the term, students will be



expected to converse in a clearly participatory fashion, initiate, sustain and bring to closure a wide variety of communicative tasks using diverse language strategies.

Note: Expected to be given in 2004–05.

Prerequisite: Urdu 103 or equivalent or instructor's permission.

Graduate Courses of Reading and Research

***Urdu 300. Reading and Research**

Catalog Number: 2131

Ali S. Asani 7739

Tibetan and Himalayan Studies

Primarily for Undergraduates

Tibetan 91r. Supervised Reading and Research

Catalog Number: 2288

Leonard W. J. van der Kuip and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading of texts in Tibetan not covered by regular courses of instruction.

Tibetan 98r. Tutorial-Junior Year

Catalog Number: 1895

Leonard W. J. van der Kuip and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tibetan 99. Tutorial-Senior Year

Catalog Number: 5349

Leonard W. J. van der Kuip and members of the Department

Full course. Hours to be arranged.

For Undergraduates and Graduates

Tibetan 101a. Elementary Classical Tibetan

Catalog Number: 4132

Leonard W. J. van der Kuip and assistant

Half course (fall term). Hours to be arranged.

Tibetan 101b. Elementary Classical Tibetan

Catalog Number: 5299

Leonard W. J. van der Kuip and assistant

Half course (spring term). Hours to be arranged.

Prerequisite: Tibetan 101a.

Tibetan 103r (formerly Tibetan 103). Introduction to Pre-Classical Tibetan

Catalog Number: 7031



Leonard W. J. van der Kuijp
Half course (spring term). Hours to be arranged.
Prerequisite: Tibetan 101a and 101b.

Tibetan 104ar (formerly Tibetan 104a). Elementary Colloquial Tibetan

Catalog Number: 4158
Leonard W. J. van der Kuijp and assistant
Half course (fall term). Hours to be arranged.

Tibetan 104br. Elementary Colloquial Tibetan

Catalog Number: 7026
Leonard W. J. van der Kuijp and assistant
Half course (spring term). Hours to be arranged.
Continuation of Tibetan 104a.

[Tibetan 105ar (formerly Tibetan 105a). Intermediate Colloquial Tibetan]

Catalog Number: 1314
Leonard W. J. van der Kuijp and assistant
Half course (fall term). Hours to be arranged.
Note: Expected to be given in 2004–05.

[Tibetan 105br (formerly Tibetan 105b). Intermediate Colloquial Tibetan]

Catalog Number: 1151
Leonard W. J. van der Kuijp and assistant
Half course (spring term). Hours to be arranged.
Note: Expected to be given in 2004–05.

[Tibetan 106ar (formerly 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 2005–06.
Prerequisite: Tibetan 101 and 102, or equivalent.

[Tibetan 106br (formerly 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 2005–06.
Prerequisite: Tibetan 101 and 102, or equivalent.

[Tibetan 109r (formerly Tibetan 109). Old Tibetan Historical and Medical Writings]

Catalog Number: 9624
Leonard W. J. van der Kuijp
Half course (fall term). Hours to be arranged.
Note: Expected to be given in 2004–05.



Cross-Listed Courses

Religion 1700. Introduction to Buddhism, in Theory and Practice
[Religion 1708. Issues in Buddhist Philosophy]

Primarily for Graduates

Tibetan 200ar (formerly Tibetan 200a). Classical Poetic Tibetan

Catalog Number: 7360

Leonard W. J. van der Kuip

Half course (spring term). Hours to be arranged.

Readings in Tibetan texts on poetic theory based on Indian models, together with illustrations of a number of poetic figures. The main text will be the Tibetan translation of the Kavyadarsa and passages from Tibetan commentaries.

Tibetan 202r. Readings in Advanced Philosophical Tibetan

Catalog Number: 7601

Leonard W. J. van der Kuip

Half course (spring term). Hours to be arranged.

We focus on the analyses of conceptual knowledge in early Tibetan philosophical texts (1100-1250).

[Tibetan 203ar (formerly Tibetan 203a). Readings in Canonical Buddhist Tibetan]

Catalog Number: 7770

Leonard W. J. van der Kuip and assistant

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2004–05.

[Tibetan 204ar (formerly Tibetan 204a). Readings in Tibetan Administrative Documents]

Catalog Number: 0254

Leonard W. J. van der Kuip

Half course (fall term). Hours to be arranged.

Prerequisite for Tibetan 204b

Note: Expected to be given in 2004–05.

[Tibetan 207ar (formerly Tibetan 207a). Readings in Classical Tibetan Scientific Literature]

Catalog Number: 7945

Leonard W. J. van der Kuip

Half course (spring term). Hours to be arranged.

Indigenous Tibetan grammatical treatises.

Note: Expected to be given in 2004–05.

Tibetan 211. Readings in Tibetan Biographical and Autobiographical Literature: The life of Ugyanpa (1230-1309).

Catalog Number: 9415



Leonard W. J. van der Kuijp

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

[Tibetan 215br (formerly Tibetan 215b). Introduction to Madhyamika]

Catalog Number: 0397

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Continuation of Tibetan 215.

Note: Expected to be given in 2005–06.

Prerequisite: Tibetan 215.

[Tibetan 215r (formerly Tibetan 215). Introduction to Madhyamika]

Catalog Number: 9232

Leonard W. J. van der Kuijp

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2005–06.

[Tibetan 219. Tibetan Tantric Literature]

Catalog Number: 9500

Janet Gyatso (Divinity School)

Half course (spring term). Hours to be arranged.

A reading course in Tibetan tantric writings, focusing primarily on normative descriptions of ritual and meditative practices, and on autobiographical materials based on personal tantric experiences.

Note: Expected to be given in 2005–06. Offered jointly with the Divinity School as 3892.

Prerequisite: Reading knowledge of Tibetan.

Graduate Courses of Reading and Research

***Tibetan 300. Reading and Research**

Catalog Number: 0666

Leonard W. J. van der Kuijp 1556

***Tibetan 302. Direction of AM Theses**

Catalog Number: 6927

Leonard W. J. van der Kuijp 1556

***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). M., 4–5:30. EXAM GROUP: 9

Note: Given in alternate years.

Thai 101b. Introductory Thai II

Catalog Number: 6557

Michael Witzel and assistant

Half course (spring term). Tu., Th., 4–5:30. EXAM GROUP: 18

Note: Given in alternate years.

[Thai 102a. Intermediate Thai I]

Catalog Number: 8582

Michael Witzel and assistant

Half course (fall term). Hours to be arranged.

A two-term continuation of the study of Thai at the intermediate level. Students build on acquired proficiency at the elementary level (or its equivalent) towards achieving more fluency in reading, speaking, writing, and listening comprehension of standard Thai, as well as in cultural-social skills. Introduces new vocabulary and grammar through communicative tasks and text readings, mainly using the situational-communicative methodology.

Note: Expected to be given in 2004–05.

Prerequisite: Successful completion of Elementary Thai (or equivalent) is required. Continuing students who did not take Introductory Thai, as well as new students, are encouraged to talk to the instructor prior to registration.

[Thai 102b. Intermediate Thai II]

Catalog Number: 3751

Michael Witzel and assistant

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2004–05.

Prerequisite: Thai 102a.

Graduate Courses of Reading and Research

***Thai 300. Reading and Research**

Catalog Number: 5368

Michael Witzel 1602 and assistant

Half course (fall term; repeated spring term). Tu., 4–6.



Slavic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Slavic Languages and Literatures

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology (*Chair*) (*on leave 2003-04*)

Stephanie Sandler, Professor of Slavic Languages and Literatures (*Acting Chair*)

Anna Baranczak, Preceptor in Slavic Languages and Literatures

Stanislaw Baranczak, Alfred Jurzykowski Professor of Polish Language and Literature (*on leave fall term*)

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature (*on leave fall term*)

Sue Brown, Associate Professor of Slavic Languages and Literatures (*Director of Undergraduate Studies*)

Julie A. Buckler, Professor of Slavic Languages and Literatures (*Director of Graduate Studies*)

Patricia R. Chaput, Professor of the Practice of Slavic Languages (*Director of the Language Program*)

Natalia Chirkov, Preceptor in Slavic Languages and Literatures

Volodymyr Dibrova, Preceptor in Slavic Languages, Publications Editor, DCE Teaching Support

Ellen Elias-Bursac, Preceptor in Slavic Languages and Literatures

Vladimir Y. Gitin, Senior Preceptor in Slavic Languages and Literatures (*on leave fall term*)

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature (*on leave fall term*)

Nora Hampl, Preceptor in Slavic Languages and Literatures

John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures

Natalia Pokrovsky, Preceptor in Slavic Languages and Literatures

Alfia A. Rakova, Preceptor in Slavic Languages and Literatures

Natalia Reed, Preceptor in Slavic Languages and Literatures

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 fall term*)

Curt F. Woolhiser, Preceptor in Slavic Languages and Literatures

Peter A. Zusi, Lecturer on Slavic Languages and Literatures

Language Courses

For Undergraduates and Graduates

Sectioning Note: Sectioning in multisectioned language courses is determined by attendance in class during the first week and through subsequent adjustments to maintain uniform section size. There is no separate sectioning meeting for language courses. Beginning on the first day of class, sections fill on a first-come basis, so that some sections may close on the first day. Students should attend the section of their choice and must continue to attend throughout the first week (or make special arrangements) to retain their places in sections. Students who miss classes may



enter only those sections where space is available. Please note that under-enrolled sections may be canceled or rescheduled. No section times are guaranteed. As a general rule, no auditors are permitted in language courses. If fellowship terms or other circumstances prohibit registration, students must speak with the Director of the Language Program to request permission to audit. Language courses may not be taken Pass/Fail. Some courses permit graduate students to register on a Pass/Fail basis, but only by permission of the instructor.

Slavic A. Beginning Russian

Catalog Number: 8014

Patricia R. Chaput (fall term) and Natalia Reed (spring term) and others

Full course. Sections I & II: M., Tu., W., F., at 9; Section III: 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: 2, 3, 11

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). M.-F., at 9; Speaking Practice: M., W., F., at 10 or 11. EXAM GROUP: 2, 11

Covers the same material as Slavic A but in one term.

Note: See sectioning note above.

Slavic Ac. Intermediate Grammar and Vocabulary Review I

Catalog Number: 0496

Alfia A. Rakova

Half course (fall term). M., W., F., at 10, and an additional hour for speaking practice 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 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: Fall: 2, 3; Spring: 2, 3, 5

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 Term

Catalog Number: 0638

Alfia A. Rakova and others

Half course (spring term). M., W., F., at 11, with two additional hours of speaking practice Tu., Th., at 10. EXAM GROUP: 4

Covers the material of the first term 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

Vladimir Y. Gitin and others

Full course (fall term; repeated spring term). Meets eight hours per week. M.-F., at 9, with three additional hours of speaking practice M., W., F., at 1. EXAM GROUP: 2, 11

Covers essentially the same material as Slavic B, but in one term. Readings may vary.

Note: See sectioning note above.

Prerequisite: Slavic A, Aab, Ac, or placement at the intermediate level.

Slavic Bb. Intermediate Russian: Second Term

Catalog Number: 1165

Patricia R. Chaput and others

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Covers the material of the second semester of Slavic Ba.

Note: See sectioning note above. No auditors permitted. May not be taken Pass/Fail.

Prerequisite: Slavic Ba, or placement at this level.

Slavic Ca. Beginning Czech I

Catalog Number: 2173

Nora Hampl

Half course (fall term). M., W., F., at 10; and an additional hour for speaking practice to be arranged. EXAM GROUP: 3

An introductory course in modern Czech for students with no previous knowledge of the language. Emphasis on the development of oral proficiency as well as on reading and listening comprehension skills. Written work for practice and reinforcement. Reading of simple poetry and prose.

Slavic Cb. Beginning Czech II

Catalog Number: 7117



Nora Hampl

Half course (spring term). Th., at 9, M., W., at 10, and an additional hour for speaking practice to be arranged. EXAM GROUP: 3, 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 Nora Hampl

Half course (fall term; repeated spring term). Hours to be arranged.

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based on student course proposals.

Note: Department application required. No applications accepted after the third day of classes. Interested students should contact Dr. Reed or before the first day of class to apply.

Slavic Da. Beginning Polish I

Catalog Number: 8158

Anna Baranczak

Half course (fall term). M., W., F., at 9; and an additional hour for speaking practice to be arranged. EXAM GROUP: 2

Introduction to the fundamentals of Polish designed for students with no previous knowledge of the language. Emphasis on oral practice of essential grammar structures in naturally occurring conversational patterns. Reading and discussion of simple prose and/or poetry.

Slavic Db. Beginning Polish II

Catalog Number: 6907

Anna Baranczak

Half course (spring term). M., W., F., at 9, and an additional hour 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 Anna Baranczak

Half course (fall term; repeated spring term). Sections meet M., at 11, 12, and 2; W., at 11; W., 12–2; F., 10–12. EXAM GROUP: Fall: 4

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based on student course proposals.

Note: Department application required. Interested students should contact Dr. Reed 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, 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; F., at 10, 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 Ellen Elias-Bursac

Half course (fall term; repeated spring term). Hours to be arranged.

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based on student course proposals.

Note: Department application required. No applications accepted after the third day of classes. Interested students should contact Dr. Reed before the first day of class to apply.

Slavic Ga. Beginning Ukrainian I

Catalog Number: 5536

Volodymyr Dibrova

Half course (fall term). M., W., F., at 9; and an additional hour for speaking practice to be arranged. EXAM GROUP: 2

Introduction to the fundamentals of Ukrainian designed for students with no previous knowledge of the language. Emphasis on oral practice of essential grammar structures in naturally occurring conversational patterns. Reading and discussion of simple prose and/or poetry. Writing for practice and reinforcement.

Slavic Gb. Beginning Ukrainian II

Catalog Number: 7126

Volodymyr Dibrova

Half course (spring term). M., W., F., at 9, and an additional hour for speaking practice to be arranged. EXAM GROUP: 2

Continuation of Slavic Ga. Continued work on Ukrainian grammar with further development of vocabulary, oral expression and comprehension. Readings of short stories and poems with discussion of texts in Ukrainian.

***Slavic Gr. Supervised Readings in Intermediate/Advanced Ukrainian**

Catalog Number: 1260

Natalia Reed and Volodymyr Dibrova

Half course (fall term; repeated spring term). Hours to be arranged.



Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based on student course proposals.

Note: Department application required. No applications accepted after the third day of classes. Interested students should contact Dr. Reed before the first day of class to apply.

Slavic 101. Advanced Intermediate Russian: Reading, Grammar Review, and Conversation

Catalog Number: 7234

Curt F. Woolhiser

Half course (fall term; repeated spring term). Fall: M., W., F., at 1; speaking section: Tu., Th., at 10 or 11; Spring: M., W., F., at 1; speaking section: Tu., Th., at 1. EXAM GROUP: 6

Continuing development of speaking and reading proficiency. Vocabulary work emphasizes verbs and verb government as essential to effective communication. Work on word formation to increase reading vocabulary. Texts for reading and discussion include works 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

Curt F. Woolhiser

Half course (fall term). M., W., F., at 9; and a fourth hour to be arranged. EXAM GROUP: 2

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

Alfia A. Rakova

Half course (fall term; repeated spring term). Fall: M., W., F., at 1; with two additional hours of speaking practice Tu., Th., at 1 or 2; Spring: M., W., F., at 1; with two additional hours of speaking practice Tu., Th., at 10 or 11. EXAM GROUP: 6

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

Natalia Pokrovsky

Half course (spring term). Hours to be arranged.



Through readings and film, we explore Russian cultural attitudes, including the individual in society, gender roles, prestige and success, truth and falsehood, and justice and the law. Emphasis on vocabulary building and fluency through speaking practice and written compositions. Topics to take student interests into account.

Note: Expected to be given in 2004–05. See sectioning note above.

Prerequisite: Slavic 103, 113 or permission of instructor.

Slavic 109. Theater Workshop

Catalog Number: 1221

Natalia Chirkov

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

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2004–05. 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

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, 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 I

Catalog Number: 0955

Natalia Pokrovsky

Half course (fall term). M., W., at 1, F., at 2, and an additional hour to be arranged. EXAM GROUP: 6, 16, 17

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 114. Advanced Russian: Readings in Russian Literature II

Catalog Number: 1317

Natalia Reed

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Readings in Russian 19th- and 20th-century prose, works to be chosen in consultation with students. Continuing work on reading comprehension and discussion. Emphasis on vocabulary building and fluency through speaking practice and written compositions.

Prerequisite: Slavic 104, 111, 113, or permission of the instructor.

[Slavic 116. Stylistics]

Catalog Number: 3480

Vladimir Y. Gitin

Half course (spring term). Hours to be arranged.

Examines different styles, identifies features in texts of different kinds, and interprets passages in literary texts used for stylistic effect. Writing exercises will focus on neutral style, vocabulary development, and phrasing. Intended for students who need a practical command of style and register in reading, speaking, and writing.

Note: Expected to be given in 2004–05.

Prerequisite: Slavic 121.

[*Slavic 117r. Advanced Russian: Special Topics]

Catalog Number: 4671

Half course (fall term). Hours to be arranged.

Russian/post-Soviet studies, including current issues in foreign policy and domestic affairs (including environmental policy), religions, human rights problems, the new social structure of society.

Note: Expected to be given in 2004–05. See sectioning note above.

Prerequisite: Slavic 111, 112, 119, or permission of instructor.



Slavic 118. Readings in Russian Poetry

Catalog Number: 5356

Vladimir Y. Gitin

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. Selections take interests of students into account.

Note: See sectioning note above.

Prerequisite: Slavic 121.

***Slavic 119. Contemporary Issues: Nationalities of the Former Soviet Union**

Catalog Number: 0636

Curt F. Woolhiser

Half course (spring term). M., W., F., at 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 104, 111, 112, or 117 or permission of the instructor.

***Slavic 120r. Supervised Readings in Advanced Russian**

Catalog Number: 7121

Patricia R. Chaput and members of the Department

Half course (fall term; repeated spring term). Sections meet M., at 10; M., 12–2; W., at 10; W., 1:30–3:30; M., at 10; Th., at 11. EXAM GROUP: Fall: 3

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 Patricia Chaput before the first day of class to apply. No applications accepted after the third day of classes.

[Slavic 121. Advanced Russian: Reading Literary Texts]

Catalog Number: 4812

Vladimir Y. Gitin

Half course (fall term). Hours to be arranged.

A course designed to further develop students' sensitivity to the reading of literary texts. Topics include the nature of lexical meaning including meaning associations, syntactic meaning, aspects of morphology, word order and intonation, and colloquial language. Texts include both prose and poetry.

Note: Expected to be given in 2004–05. 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 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). W., 2–4. EXAM GROUP: 7, 8

Note: For concentrators in Russian Literature and Culture.

***Slavic 97. Tutorial — Sophomore Year**

Catalog Number: 7595

Sue Brown and others

Full course. Fall: W., 2–4; Spring: F., 2–4. EXAM GROUP: 7, 8

Note: For concentrators in Russian Studies.

***Slavic 98. Tutorial—Junior Year**

Catalog Number: 1684

John E. Malmstad (fall term) and Stephanie Sandler (spring term)

Full course. Fall: W., 2–4; Spring: Tu., 2–4. EXAM GROUP: Fall: 7, 8; Spring: 16, 17

Note: Required of junior concentrators in Russian Literature and Culture. Other students may enroll for one or both terms.

***Slavic 99r. Tutorial — Senior Year**

Catalog Number: 5592

Sue Brown 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 34e. Fear Itself**

***Freshman Seminar 35w. Language, Gender, and Culture**

***Freshman Seminar 36j. The Peasant in Literature**

***Freshman Seminar 36k. Fin-de-Siècle Prague and Literature, 1890-1930**

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 2004–05.

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). Hours to be arranged.

Introduction to Russian phonetics, phonemics, morphophonemics, and inflectional and derivational morphology. Course goal is to give a deeper understanding and appreciation of the regularities and complexities of Russian through a close study of its sounds and words.

Note: Expected to be given in 2004–05.

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 2004–05.

Prerequisite: Slavic B, Bab, or placement at the third-year level. Linguistics 112a helpful, but not required.

[Slavic 130a. Culture and Society in Medieval and Early Modern Bohemia]

Catalog Number: 1484

Peter A. Zusi

Half course (fall term). Hours to be arranged.

Explores the culture of Medieval and early-modern Bohemia as a crossroad of Western and Eastern European cultural tendencies. Examines changing functions of literature in Bohemia as power center and as province. Readings from the OCS Life of Constantine, OCS and Latin legends of St. Wenceslaus, Kosmos, the so-called Dalimil chronicle, the Life of St. Catherine, Hussite chronicles, P. Chelcický, J. A. Komenský.

Note: Expected to be given in 2004–05. All readings in English.

[Slavic 130b. Forging Czechs: Questions of Identity in Modern Czech Culture]

Catalog Number: 2258

Half course (spring term). Hours to be arranged.



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: Expected to be given in 2004–05. All readings in English.

[Slavic 135. Czech Avant-Garde in Theory and Practice]

Catalog Number: 7705

Peter A. Zusi

Half course (fall term). Hours to be arranged.

Starting with the central concept of "function," examines theoretical and historical connections between Prague School structuralism and Czech avant-garde movements of Constructivism, Poetism, and Surrealism. Readings by Jakobson, Muka Rovský, Teige, Nezval, Seifert, Vancura, Kalandra, and others.

Note: Expected to be given in 2004–05. No knowledge of Czech required.

Slavic 139 (formerly *Freshman Seminar 34s). From Avant-Garde to Underground: Post-War Czechoslovakia

Catalog Number: 9695

Peter A. Zusi

Half course (spring term). M., W., at 1. EXAM GROUP: 6

Consideration of culture as alternate public sphere in post-war Czechoslovakia. Texts by Kundera, Skvorecky, Hrabal, Seifert, Holan, Klima; Czech "New Wave" film; visual art from Group Ra forward; music by Plastic People of the Universe.

Note: All readings in English.

[Slavic 140. 18th-Century Russian Literature: Conference Course]

Catalog Number: 6495

Half course (spring 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 2004–05.

Prerequisite: Good reading knowledge of Russian.

[Slavic 141. Literature, Film, and Visual Art in Contemporary Russia]

Catalog Number: 1286

Svetlana Boym

Half course (fall term). Hours to be arranged.

Examines the culture of the post-Stalin period from Socialist realism to the art of glasnost' and post-communism. Literary texts (poetry, fiction, memoir), films, works of conceptual art, songs, and television programs are discussed and supplemented by readings in cultural theory. Special topics include the rewriting of history in literature and film, conceptions of utopia and kitsch, the relationship between art and mass culture, representations of sexuality, and exploration of



national identity.

Note: Expected to be given in 2004–05.

Prerequisite: Reading knowledge of Russian. Most materials also available in English.

[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 2005–06. All readings in English.

[Slavic 145a. Russian Literature in Translation: The 19th-Century Tradition]

Catalog Number: 5191

Half course (fall term). Hours to be arranged.

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 given in 2004–05.

[Slavic 145b. Russian Literature and Revolution]

Catalog Number: 6663

Justin Weir

Half course (fall 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 2004–05. All readings in English.

[Slavic 147. Russian Psychological Fiction: Conference Course]

Catalog Number: 6168

Justin Weir

Half course (fall term). Hours to be arranged.

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 select twentieth-century theoretical approaches to psychology and its representation in fiction, including Bakhtin's *Problems of Dostoevsky's Poetics*, and Ginzburg's *On Psychological Prose*.

Note: Expected to be given in 2004–05. All readings in English.



[Slavic 148. Strange Russian Writers]

Catalog Number: 7101

Stephanie Sandler

Half course (spring term). Hours to be arranged.

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, Kharmis, 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: Expected to be given in 2004–05. All readings in English.

[Slavic 151. Gogol]

Catalog Number: 7272

William Mills Todd III

Half course (fall term). Hours to be arranged.

Fiction, drama, and essays by Russia's first great prose writer. Examines Gogol's techniques of narration, description, and argumentation and his construction of history and identity, national and personal.

Note: Expected to be given in 2004–05. All readings in Russian.

[Slavic 152. Pushkin]

Catalog Number: 8023

William Mills Todd III

Half course (spring term). Hours to be arranged.

A survey of the lyrics, narrative poems, fiction, and critical prose of Russia's "national poet."

Close reading of the texts; attention to contemporary cultural issues. Lecture and discussion.

Note: Expected to be given in 2004–05.

Prerequisite: Good reading knowledge of Russian.

[Slavic 154 (formerly History 1542). Intellectual and Cultural Controversies: The Russian Intelligentsia: Conference Course]

Catalog Number: 2123

Julie A. Buckler

Half course (spring term). Hours to be arranged.

The intelligentsia, its emergence, ethos and place in Russian society. Examines major intellectual controversies and debates from the late 18th century to the early 20th century through the lens of fictional literature, memoir, philosophy, and historiography.

Note: Expected to be given in 2004–05.

Slavic 155. Dostoevsky

Catalog Number: 6850 Enrollment: Limited to 20.

William Mills Todd III

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Reading of Dostoevsky's major works, with a view to showing how the problems they contain (social, psychological, political, metaphysical) are inseparable not only from his time but from



the distinctive novelistic form he created.

Note: No knowledge of Russian required.

Slavic 156. Vladimir Nabokov: A Cross-Cultural Perspective

Catalog Number: 8650

Svetlana Boym

Half course (spring term). W., 2–4; M., at 7 p.m.; Tu., at 7 p.m. EXAM GROUP: 7, 8

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.

[Slavic 157. Tolstoy]

Catalog Number: 2005

Julie A. Buckler

Half course (fall term). Hours to be arranged.

Tolstoy's development as a writer and thinker, beginning with his early diaries and progressing through the great novels, *War and Peace* and *Anna Karenina*, to the late stories and plays. Examines Tolstoy's work in light of recent critical approaches to authorship, artistic biography, literary canon, 19th-century notions of sexuality and morality. How has Tolstoy been variously interpreted in Russian, Soviet, and Western-humanistic contexts? How did Tolstoy view his own work at various points in his life?

Note: Expected to be given in 2004–05. No knowledge of Russian required.

Slavic 159. Approaches to Tolstoy

Catalog Number: 4018

Julie A. Buckler and Justin Weir

Half course (spring term). Tu., 12–2. EXAM GROUP: 14, 15

Tolstoy and his major fiction from diverse cultural and theoretical perspectives. To what extent do the texts themselves seem to invite such approaches?

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

[Slavic 162f. Survey of Polish Literature, 1795–1890]

Catalog Number: 1117

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2004–05. No knowledge of Polish required.

Slavic 162r. Readings in Polish Literature: From the Golden Age of the Renaissance to the Masterpieces of Our Time

Catalog Number: 8395

Anna Baranczak

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Close reading of selected masterpieces in the original, from the birth of Humanism in the 16th-



century to 19th-century Romanticism to the modern and postmodern periods. Analyzes the works of Jan Kochanowski (16th c.), Adam Mickiewicz, Juliusz Slowacki, Cyprian Norwid, Boleslaw Prus (19th c.), Witold Gombrowicz, Bruno Schulz, Czeslaw Milosz, Wislawa Szymborska, Zbigniew Herbert and others, emphasizing their artistic structure and role in the historical process.

Prerequisite: Reading knowledge of Polish.

[Slavic 163. Survey of Polish Literature: Kochanowski to Krasicki]

Catalog Number: 9065

George G. Grabowicz

Half course (spring term). Hours to be arranged.

Analysis of the major works of the late 16th to the late 18th centuries, with special focus on the Baroque.

Note: Expected to be given in 2004–05.

Prerequisite: Reading knowledge of Polish.

[Slavic 164. Survey of Polish Literature, 1795-1918]

Catalog Number: 5262

George G. Grabowicz

Half course (fall term). Hours to be arranged.

Introductory course to examine the major writers and movements from Romanticism to Positivism and Modernism (Młoda Polska).

Note: Expected to be given in 2004–05. No knowledge of Polish required.

Slavic 165. Survey of 19th-Century Ukrainian Literature

Catalog Number: 0410

George G. Grabowicz

Half course (fall term). Th., 12–2. EXAM GROUP: 14, 15

An introduction to Ukrainian literary and intellectual culture, from pre-Romanticism to Modernism. Readings from Kotljarevs'kyj, Shevchenko, Kulish, Drahomanov, Franko, Lesja Ukrajinka, Kociubyns'kyj and Stefanyk.

Note: No knowledge of Ukrainian required.

[Slavic 167. Slavic Romanticism]

Catalog Number: 2241

George G. Grabowicz

Half course (fall term). Hours to be arranged.

An overview of Russian, Polish, and Ukrainian Romantic literature and its social, political and cultural impact on the respective societies. Topics discussed will include Romantic historicism and individualism, Western influences and the response of Slavophilism and Pan-Slavism, Romantic political messianism, the apotheosis of the folk and folklore, populism, and millenarian and mythopoeic visions.

Note: Expected to be given in 2004–05. All readings in English.

Slavic 168. Survey of 20th-Century Ukrainian Literature

Catalog Number: 2079



George G. Grabowicz

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

An introduction to the major writers and developments in pre-Soviet, Soviet, émigré and post-Soviet Ukrainian literature. Special focus on representative works from Mynnychenko, Tychyna, and Xvyl'ovyj, to the émigré avant-garde and the post-modernists.

Note: No knowledge of Ukrainian required.

[Slavic 179. Literature as Institutions: Conference Course]

Catalog Number: 6120 Enrollment: Limited to 15.

William Mills Todd III

Half course (fall term). Hours to be arranged.

A study of literary production, dissemination, and reception in selected periods of Russian literature from the Middle Ages to the present. Readings in social theory, cultural studies, literary criticism, and imaginative literature.

Note: Expected to be given in 2004–05. Open to advanced undergraduates and graduates.

Students must up a syllabus in Barker 374 before the term begins, as there will be a brief assignment for the first class meeting.

[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 2004–05.

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

Slavic 181 (formerly 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 182. Problems in 20th-Century Poetry: Conference Course]

Catalog Number: 3489

John E. Malmstad

Half course (fall 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 2004–05.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.



Slavic 194. Modernism and Realism in Central Europe

Catalog Number: 5088

Peter A. Zusi

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examines major works of 20th-century prose written in German, Polish, Czech, and Yiddish. Emphasis on the variety of narrative strategies for representing “reality” and on the problematics of personal and historical identity in modern Central European literature. Texts by T. Mann, F. Kafka, R. Musil, K. Capek, B. Schulz, W. Gombrowicz, I. B. Singer, M. Kundera; essays by W. Benjamin, G. Lukács, E. Bloch, K. Teige.

Note: All readings in English.

Cross-listed Courses

Comparative Literature 160. Literary Forgeries and Mystifications

[Comparative Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course]

[Foreign Cultures 72. Russian Culture from Revolution to Perestroika]

Linguistics 110. Introduction to Linguistics

***Literature 128. Performing Texts**

***Literature 138 (formerly Slavic 143). Russian Formalism**

[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

Primarily for Graduates

[Slavic 201. Introduction to East Slavic Languages]

Catalog Number: 5134

Michael S. Flier

Half course (spring term). Hours to be arranged.

Introduction to the structure and history of Russian, Ukrainian, and Belarusian.

Note: Expected to be given in 2004–05.

Slavic 202. Introduction to West Slavic Languages

Catalog Number: 6877

Sue Brown

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to the structure and history of Czech, Polish, Slovak, and Sorbian.

Prerequisite: Linguistics 250. Reading knowledge of a West Slavic language desirable.

Slavic 203. Introduction to South Slavic Languages

Catalog Number: 1665

Sue Brown

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



Introduction to the structure and history of Slovene, Croatian, Serbian, Macedonian, and Bulgarian.

Note: Reading knowledge of a South Slavic language desirable.

Prerequisite: Linguistics 250.

Slavic 269. Structure of Russian for Instructors

Catalog Number: 7807

Patricia R. Chaput

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, translation into pedagogical form, formulation at different levels of study, questions of usage, changing norms. Includes practice in difficult constructions.

[Slavic 280r. Slavic Culture: Seminar]

Catalog Number: 1909

Michael S. Flier

Half course (spring term). Hours to be arranged.

Topic for 2003-04: The Culture of Medieval Rus': Art, architecture, ritual, literature.

Note: Expected to be given in 2004–05.

Slavic 285r. Modern Russian Literature: Seminar

Catalog Number: 5182

John E. Malmstad

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Topic to be announced.

Note: Recommended for potential teaching fellows for Literature and Arts C-51.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.

[Slavic 286. Autobiographical Experiments in Literature and Art]

Catalog Number: 3550

Svetlana Boym

Half course (fall term). Hours to be arranged.

Examines autobiographical experiments in twentieth-century poetry, fiction, theory, visual arts.

Analyzes texts and artistic works from modernism and avant-garde to contemporary art noting the issues of cultural self-fashioning, national and sexual identity, bilingualism and exile.

Note: Expected to be given in 2004–05.

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). Th., 2–4. EXAM GROUP: 16, 17

Examines how poems create self-images for poets working in and after Russian modernism, including Khlebnikov, Mandel'shtam, Tsvetaeva, Zabolotskii, Petrovykh, Brodsky, Sedakova, Shvarts, Iskrenko, Zhdanov, and Dragomoshchenko. Relies on literary and psychoanalytic theories of identity.



Note: Open to qualified undergraduates with permission of instructor.

Prerequisite: Reading knowledge of Russian required.

[Slavic 290. 19th-Century Ukrainian Prose: Seminar]

Catalog Number: 1548

George G. Grabowicz

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2004–05.

[Slavic 292. 20th-Century Ukrainian Prose]

Catalog Number: 5733

George G. Grabowicz

Half course (spring term). Hours to be arranged.

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'ovyy, Johansen, Domontovych, Kosach) and of the most recent period (Andijevs'ka, Andrukhovych, and others).

Note: Expected to be given in 2004–05.

[Slavic 296r. Slavic Linguistics: Seminar]

Catalog Number: 5196

Sue Brown

Half course (fall term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2004–05. Students are expected to choose a Slavic language and present data relating to the given topic.

Prerequisite: Linguistics 112a or its equivalent (112b preferred) or permission of instructor.

Knowledge of a Slavic language helpful but not required.

***Slavic 299. Proseminar**

Catalog Number: 7972

Julie A. Buckler

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Introduction to graduate study in Slavic. Selected topics in literary analysis, history, and theory.

Note: Open to qualified undergraduates with permission of the chair.

Cross-listed Courses

[*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 fall term), Sue Brown 2926, Julie A. Buckler 2960, Patricia R. Chaput 6222, Michael S. Flier 2878 (on leave 2003-04), George G. Grabowicz 4511 (on leave fall term), John E. Malmstad 1219, Stephanie Sandler 1343, William Mills Todd III 1634, and Justin Weir 3407 (on leave fall term)

***Slavic 301. Reading and Research**

Catalog Number: 3385

Svetlana Boym 1926 (on leave fall term), Sue Brown 2926, Julie A. Buckler 2960, Patricia R. Chaput 6222, Michael S. Flier 2878 (on leave 2003-04), George G. Grabowicz 4511 (on leave fall term), John E. Malmstad 1219, Natalia Reed 3911, Stephanie Sandler 1343, William Mills Todd III 1634, Justin Weir 3407 (on leave fall term), and Peter A. Zusi 4443

***Slavic 302. Language Teaching: Content and Conduct**

Catalog Number: 5961

Patricia R. Chaput 6222

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*)

Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government (*on leave 2003-04*)

Torben Iversen, Professor of Government

Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)

Mary C. Waters, Professor of Sociology

Christopher Winship, Professor of Sociology

Other Faculty Offering Instruction in Social Policy

Xavier de Souza Briggs, Associate Professor of Public Policy (*Kennedy School*)

This program awards two different degrees: the PhD in Government and Social Policy and the PhD in Sociology and Social Policy. Both of these programs are joint degrees that provide



students a thorough grounding in one of these two traditional disciplines and then move them into a series of interdisciplinary seminars on social policy based at the Kennedy School of Government. Students submit applications for admission to the Committee on Higher Degrees in Social Policy, which must be accepted as well by the admissions committee of either the Department of Government or the Department of Sociology. From the very beginning of their graduate careers, then, students are taught and supervised by faculty from government, sociology and the Malcolm Wiener Center for Social Policy in the Kennedy School.

This degree is intended for students who have central interests in problems of economic inequality; segregation; poverty; changing family structure; immigration, race, and labor market segmentation; educational inequality; and historical and comparative studies of inequality in the US and abroad (especially Western Europe). It will be of particular interest for students who wish to combine solid training in the fundamental theoretical perspectives and methodological traditions of either government or sociology with advanced study of policy responses to these social problems. Students who would like the flexibility to pursue careers in departments of sociology or government, in schools of public policy, and in policy and other non-profit organizations may find these joint degrees especially suitable.

Students in the joint degree programs are eligible to apply for the Multidisciplinary Program on Inequality and Social Policy at the end of their first year of study. This training and fellowship program provides for summer institutes, research apprenticeships, and a variety of other opportunities. Please see the website www.ksg.harvard.edu/inequality for more details.

Applications for admission to the PhD programs in Social Policy may be obtained from the Graduate School of Arts and Sciences, Admissions Office, Byerly Hall, 2nd Floor, 8 Garden Street, Cambridge, MA 02138. Further information about the joint degree programs may be obtained from the program website (www.ksg.harvard.edu/socialpol). Questions or requests for additional printed materials should be directed to Pamela Metz, Director, via e-mail (socialpolicy@harvard.edu) or correspondence addressed to her attention at the Kennedy School of Government, 79 John F. Kennedy Street, Cambridge, MA 02138.

Graduate Courses of Reading and Research

***Social Policy 300. Reading and Research**

Catalog Number: 6290

Members of the Committee

***Social Policy 301. Research and Social Policy**

Catalog Number: 3704

Katherine Newman (Kennedy School) 2651, Xavier de Souza Briggs (Kennedy School) 4510, and Christopher Winship 3189

Explores ways in which research is used and misused in the formation of policy. Focuses on welfare, crime, and urban growth. Emphasis on discussion in a seminar/workshop format. Required of doctoral candidates in Social Policy.



***Social Policy 302. Doctoral Dissertation Research**

Catalog Number: 9707

Members of the Faculty

Cross-listed Courses

***Government 2340. Proseminar on Inequality and Social Policy II**

***Sociology 296a. Proseminar on Inequality and Social Policy I**

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*)

Anya Bernstein, (*Director of Studies*)

Mariko Chang, Associate Professor of Sociology and of Social Studies

John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs (*on leave 2003-04*)

Richard N. Cooper, Maurits C. Boas Professor of International Economics (*on leave spring term*)

Kimberly McClain DaCosta, Assistant Professor of African and African American Studies and of Social Studies

Michael C. Dawson, Professor of Government

Gwendolyn Dordick, Associate Professor of Sociology and of Social Studies (*on leave 2003-04*)

Peter E. Gordon, Assistant Professor of History and of Social Studies

Peter A. Hall, Harvard College Professor and Krupp Foundation Professor of European Studies (*on leave 2003-04*)

Michael Herzfeld, Professor of Anthropology

Michael J. Hiscox, John L. Loeb Associate Professor of the Social Sciences

Engseng Ho, Assistant Professor of Anthropology and of Social Studies

Stanley Hoffmann, Paul and Catherine Battenwieser University Professor

Torben Iversen, Professor of Government

James T. Kloppenberg, Harvard College Professor and David Woods Kemper '41 Professor of American History

Michael Robert Kremer, Gates Professor of Developing Societies

Steven R. Levitsky, Assistant Professor of Government and of Social Studies, Associate Professor of Government and of Social Studies

Charles S. Maier, Leverett Saltonstall Professor of History (*on leave fall term*)

Peter V. Marsden, Professor of Sociology

Rebecca M. McLennan, Dunwalke Associate Professor of American History and Associate



Professor of Social Studies

Glyn Morgan, Associate Professor of Government and of Social Studies

Nancy Lipton Rosenblum, Senator Joseph S. Clark Professor of Ethics in Politics and Government

Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government, Harvard College Professor

Tommie Shelby, Assistant Professor of African and African American Studies and of Social Studies

Mary M. Steedly, Professor of Anthropology

Ajantha Subramanian, Assistant Professor of Anthropology and of Social Studies

Christina Tarnopolsky, Assistant Professor of Government and of Social Studies (*on leave 2003-04*)

Christopher Winship, Professor of Sociology

Daniel F. Ziblatt, Assistant Professor of Government and of Social Studies

Other Faculty Offering Instruction in Social Studies

Kiku Adatto, Lecturer on Social Studies

Terry K. Aladjem,

Kathleen R. Arnold, Lecturer on Social Studies

Rebecca A. Bennette, Lecturer on Social Studies

Oona Britt Ceder,

Jan L. Feldman, Visiting Associate Professor of Social Studies (*University of Vermont*)

William F. Fisher, Visiting Professor of Social Studies (*Clark University*)

Marshall L. Ganz, Lecturer on Social Studies

Bela Greskovits, Visiting Professor of Social Studies (*Central European University, Budapest*)

Kiaran Aeven Honderich, Lecturer on Social Studies

Lynne B. Layton, Assistant Clinical Professor of Psychology in the Department of Psychiatry (*Medical School*)

Cameron Macdonald, Visiting Assistant Professor of Social Studies (*University of Connecticut*)

Stephen A. Marglin, Walter S. Barker Professor of Economics

Jens Meierhenrich, Lecturer on Social Studies

David J. Meskill, Lecturer on Social Studies, Proctor; Member of the Board of Freshman Advisers

Mark Mitrovich, Lecturer on Social Studies

Daniel N. Moses, Lecturer on Social Studies

Kay L. Schlozman, Associate of the Center for American Political Studies, Visiting Professor of Social Studies (*Boston College*)

Christopher J. Sturr, Lecturer on Social Studies

Wendy E. F. Torrance,

Farzin Vahdat, Lecturer on Social Studies

Primarily for Undergraduates

[*Social Studies 10. Introduction to Social Studies](#)

Catalog Number: 5278



Glyn Morgan and staff

Full course. Tu., 2–4, and section hours to be arranged. EXAM GROUP: 16, 17

An introduction to the classics of modern social theory. The first term focuses on the rise of commercial society. The second term focuses on the individual in modern society. Readings include Smith, Tocqueville, Weber, Durkheim, Marx, Polanyi, Hayek, Foucault, Habermas, and Strauss.

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). Tu., Th., at 11, and section hours to be arranged. EXAM GROUP: 13

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.

***Social Studies 30. Qualitative Research Methods**

Catalog Number: 1054 Enrollment: Limited to 40.

Cameron Macdonald (University of Connecticut)

Half course (spring term). M., 3–5, and section hours to be arranged. EXAM GROUP: 8, 9

Qualitative research is more than a method; it is a way of seeing that can only be learned through total immersion in the work itself. This course is therefore designed to take students through each stage of a small pilot research project: from design to gaining access, to fieldwork and interviews, to coding and data analysis. Especially designed for juniors who plan to write senior theses using interviews and/or participant observation.

***Social Studies 91r. Supervised Reading and Research**

Catalog Number: 9855

Anya Bernstein and members of the Department.

Half course (fall term; repeated spring term). Hours to be arranged.

Individual work in social studies 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.

***Social Studies 99. Tutorial — Senior Year**

Catalog Number: 7501

Anya Bernstein 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 98ax. Development and Modernization: A Critical Perspective**

Catalog Number: 5504

Stephen A. Marglin

Half course (fall term). Tu., 1:30–3:30. EXAM GROUP: 15, 16, 17

What assumptions about human beings underlie the conviction that development and modernization constitute progress, that the developed West points the way for the rest of the world? Does economic growth involve a package that necessarily changes the society, the polity, and the culture along with the economy? This tutorial provides a framework for thinking about these questions, both in the context of the West, and in the context of the Third World.

[*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, we examine diversity within and among American urban centers.

Note: Expected to be given in 2004–05.

[*Social Studies 98bq. Popular Culture: Theories and Practices]

Catalog Number: 2209

Lynne B. Layton (Medical School)

Half course (fall term). Hours to be arranged.

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 draw on the theories to inform textual analysis and to investigate issues of production and reception.

Note: Expected to be given in 2004–05.

***Social Studies 98cd. American Social Policy**

Catalog Number: 8657

Anya Bernstein

Half course (fall term). W., 4–6. EXAM GROUP: 9

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 include welfare, marriage and divorce, health care, education, child care, and Social Security.

[*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). Hours to be arranged.

Examines old and new efforts to organize and represent the poor in Latin America. Analyzes “traditional” patterns such as clientelism, populism, and corporatism, then asks how economic liberalization and working class decline are reshaping patterns of representation. Topics include crisis of political parties, “neo-populism,” emergence of new social movements, NGOs, identity-based movements, and transnational activist networks, and question of whether working class decline bring a return to clientelistic, “neo-oligarchic” politics.

Note: Expected to be given in 2004–05.

***Social Studies 98dj. The Rule of Law: Social Theoretical Debates**

Catalog Number: 7023

Rebecca M. McLennan

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

How has the advent of corporate capitalism, private and public bureaucracies, and “globalization” affected the operations of formal, calculable legal principle? Explores social theoretical debates around the fate of formal law under the conditions of modernity. Considers Marxian critiques of formal law; Max Weber’s analysis of law in the age of bureaucratic rationalization; the conservatives’ attack on liberal law; and the debate between the Frankfurt theorists and Critical Legal Studies on whether liberal law is determinant and legitimate.

***Social Studies 98dp. Childhood, Culture, and Social Reform**

Catalog Number: 6204

Kiku Adatto

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

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 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 98dx. Feminist Theory: Equality, Identity, Difference**

Catalog Number: 3055

Oona Britt Ceder

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Course examines main currents of feminist thought. Readings include theories from the Western tradition (e.g., Wollstonecraft, Mill, de Beauvoir), and works by writers who reject the methods of canonical thought and develop oppositional forms of theorizing (e.g., Audre Lorde, Mary Daly, Gloria Anzaldua). Both modernist and poststructuralist approaches considered. Through



analysis, students acquire an understanding of the relationship between feminist theories and activism and major traditions of social and political critique.

***Social Studies 98ea. Conflict and Cooperation in International Politics**

Catalog Number: 0554

Michael J. Hiscox

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

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 98eq. Globalization From Underneath**

Catalog Number: 1978

Kiaran Aeveen Honderich

Half course (fall term). Hours to be arranged.

Places theories of globalization into a conversation with political-economy narratives about the poor in Africa, including ones addressing the history of poverty, the situation of 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. Are they best understood as excluded, included or not yet included by globalization?

[*Social Studies 98fa. Radical Social Thought in America]

Catalog Number: 8091

Gwendolyn Dordick

Half course (fall term). Hours to be arranged.

Considers the development of critical thought about society from the progressives to the emergence of the New Left in the 1960s. Principal thinkers include Thorstein Veblen, Randolph Bourne, C. Wright Mills, and Christopher Lasch.

Note: Expected to be given in 2004–05.

***Social Studies 98fd. Interracial Intimacy**

Catalog Number: 9552

Kimberly McClain DaCosta

Half course (fall term). Hours to be arranged.

Explores interracial intimacy as a concept and social fact that helps us better understand how both races and family work. We explore the ways that scholars have avoided and/or used interracial intimacy as a marker of racial, cultural, and religious assimilation and interrogate the possibilities and problems of doing so today.

***Social Studies 98fe. Topics of Economic Sociology**

Catalog Number: 9709

Mariko Chang

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Focuses on three sub-topics within the field of economic sociology: economic inequality,



markets, and culture. An examination of the causes and consequences of wealth inequality along race, class, and gender lines provides the backdrop for these three sub-topics. Some guiding questions include: What are the sociological explanations for economic inequality? What roles do markets and culture play in economic inequality? How do race, class, and gender shape opportunities to acquire different types of wealth?

***Social Studies 98fi. Religion and Society in South Asia**

Catalog Number: 4729

Ajantha Subramanian

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

The politics of religion in the modern world is commonly understood as a reactionary influence that reverses processes of modernization and democratization. The history of religion in South Asia challenges this orthodox perspective. Our study considers the making of religious identity in colonial and postcolonial South Asia as a process that informed and was informed by modern state formation, capitalist development, nationalism, and the constitution of the public sphere and civil liberties.

***Social Studies 98fk. Market Reforms in Eastern Europe and Latin America**

Catalog Number: 4962

Bela Greskovits (Central European University, Budapest)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Explores the politics of emerging market societies in Eastern Europe and Latin America. How have legacies of import substituting industrialization and state socialism shaped the paths of transformation? What is the impact of international political and economic actors, domestic interest groups, political institutions, policy strategies, and ideologies on the degree of success with democratic capitalism?

***Social Studies 98fl. The Political Economy of Late Development**

Catalog Number: 5365

Bela Greskovits (Central European University, Budapest)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Discusses concepts, which explain the paths of development by the features of the main economic activities taken up by countries. Links distinct growth experiences and state-society relationships to the interests, organizations, capabilities and strategy of essential actors: domestic capital, labor, the state, and transnational business. Case studies include petrol in Venezuela and Russia, car-manufacturing in Poland and Mexico.

***Social Studies 98fo. French Political and Social Thought**

Catalog Number: 9092

Stanley Hoffmann

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Liberal and Socialist thought about the state and society from the 18th century to the present. Montesquieu, Rousseau, Constant, Tocqueville, Proudhon, Louis Blanc, Blanqui, Jaurès, Alain, Aron, and Foucault are the main authors discussed. Their influence on and legacy to contemporary France is examined. Comparisons with British and American thought made.



***Social Studies 98fq. Psychoanalysis and Culture**

Catalog Number: 3431

Lynne B. Layton (Medical School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

A broad range of psychoanalytic theories (Kleinian, Relational, Lacanian, Self Psychology) have been applied to the study of social and cultural problems. Looks at the cultural forces at work in individual identity formation and the psychic forces at work in social formations. Readings include clinical studies, theories of character and culture, psychoanalytic studies of popular culture, and psychoanalytic views of gender, race, class, and sexuality.

***Social Studies 98fs. The Media and the Military in the US**

Catalog Number: 8007

Cameron Macdonald (University of Connecticut)

Half course (fall term). W., 7–9 p.m. EXAM GROUP: 9

What is the role of the “free press” during times of war? We explore this question theoretically and historically, examining the relationship between the media and the military in the United States during times of both covert and overt hostilities from WW II through the present. We interrogate how changing media technologies and political ideologies intersect to shape how war coverage is created and transmitted, and how this, in turn, shapes public opinion.

***Social Studies 98fw. The Origins and Future of the Nation-State in Europe**

Catalog Number: 7555

Daniel F. Ziblatt

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Is the European nation-state disappearing? To understand where the nation-state is going in Europe, we need to understand its origins. We explore two questions: 1) What factors contributed to the rise of the state in Europe, and 2) How is the contemporary state being transformed by new external forces including globalization and the European Union? We examine these questions in light of an eclectic mix of sociological theory, political theory, and economic and political history.

Social Studies 98 — Junior Tutorials: Spring Term

***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.

Note: A prison trip is planned, subject to approval.

***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 regimes and regime change in Latin America, particularly Argentina, Brazil, Chile, Mexico, Peru, Venezuela. Compares modernization, Marxist, cultural, choice-centered, and institutionalist approaches to explaining the military coups of the 1960s/1970s and democratic transitions of the 1980s/1990s. Examines problems facing contemporary Latin American democracies, including civil-military relations, economic crisis and reform, and how institutions such as states, electoral and party systems, and executive-legislative arrangements affect the stability and quality of new democracies.

***Social Studies 98eb. The Politics of International Trade**

Catalog Number: 9198

Michael J. Hiscox

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines political conflict over international trade. Major issues covered include the relationship between trade and national security, and the effects of trade on different classes and groups within nations. The seminar addresses debates about strategic trade policy and competition between industrial states, the particular difficulties faced by developing economies, regional trade agreements, the role of the WTO, and the use of economic sanctions.

***Social Studies 98ei. The Construction of Race in Society and History**

Catalog Number: 5960

Kimberly McClain DaCosta

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Offers a comparative sociohistorical analysis of “race”. Using a range of empirical and theoretical materials from several societies, 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 reproduced, including prejudice, discrimination, segregation, ghettoization, and violence.

***Social Studies 98eo. Culture and Society**

Catalog Number: 2114

Kiku Adatto

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

In what sense is art a mirror of society? How do literature, advertisements, and film document cultural change? How is culture tied to power, domination, and resistance? Using a wide range of sources and case studies, this seminar examines the interplay of culture and society (drawing on anthropology, history, sociology, literature, and philosophy). Among the topics explored are manners and civility, the culture of everyday life, popular culture, and culture and globalization.

***Social Studies 98ey. States in Africa**

Catalog Number: 9731

Jens Meierhenrich

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

Examines the theory and history of state formation and state deformation in Africa. The course explores how states emerge, survive, and dissolve in the African system, examining a variety of perspectives from political science, law, sociology, and history. The course analyzes the



interaction of power and space; addresses the reach of the sovereign state vis-à-vis its competitors; and evaluates the future of African states, considering evidence from Somalia, Nigeria, Sierra Leone, Rwanda, Congo, Zimbabwe, and South Africa.

***Social Studies 98fc. Religion, Identity, and Violence in a Globalizing World**

Catalog Number: 8631

William F. Fisher (Clark University)

Half course (spring term). Tu., 12–2. EXAM GROUP: 14, 15

Examines the nature of religion and the interconnections among religious identity, political violence, and globalization in the contemporary world. Examines conflicts that arise between groups with different religious identities as well as conflicts between religions and secularization. Considers how globalization has failed to satisfy so many people in the world, why religion has been raised as an alternative, and why the religious rejection of secularization and globalization has been so violent.

***Social Studies 98fj. Asians in the United States**

Catalog Number: 7947

Ajantha Subramanian

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines the dynamics of Asian migration to the US against the backdrop of the social and political transformations in American society from the mid-19th century to the present. Considers how Asian-Americans have been constituted by world-historical processes and have constituted themselves as social and political actors. Attends to how race, class, gender, ethnicity, and generational difference mediate relationships among Asian-Americans, and with Anglo-Americans and other US minorities.

***Social Studies 98fm. Protest and Patience in the Times of Economic Crisis**

Catalog Number: 5452

Bela Greskovits (Central European University, Budapest)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Studies political responses to economic hardship. Why have East Europeans protested less about the brutal consequences of transformation than the people of Latin America did? Why has a region-wide authoritarian and populist reaction not occurred in the East? How has political patience shaped the processes of democratization, market reforms, and the enlargement of the EU?

***Social Studies 98fp. Theories of Citizenship**

Catalog Number: 7910

Jan L. Feldman (University of Vermont)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

Citizenship is one of the few devices for countering the centrifugal forces of pluralism. Can it succeed in the face of competing demands on our loyalty and competing sources of identity? What kind of citizens does a democracy require? This seminar explores the concept of citizenship, traces its historical evolution, and discusses the special challenges to citizenship posed by multiculturalism, ethnicity, race, gender, religion, and globalization.



***Social Studies 98ft. International Environmental Politics**

Catalog Number: 3501

Wendy E. F. Torrance

Half course (spring term). Th., 2:30–4:30. EXAM GROUP: 16, 17, 18

Examines international cooperation on environmental issues from theoretical and empirical perspectives. Explores the characteristics of international environmental problems, determines how states identify such problems, and explains the nature of international efforts to address them. Considers the roles of science, international institutions, domestic policies, and transnational organizations and movements. Analysis of case studies and current debates draws on theories of collective action, common pool resource management, and international relations and institutions.

***Social Studies 98fu. Practicing Democracy: Leadership, Community, Power**

Catalog Number: 7432

Marshall L. Ganz

Half course (spring term). Tu., 7–9. EXAM GROUP: 18

Making democracy work requires an “organized” citizenry with power to assert its interests effectively. Yet US political participation declines, growing more unequal, as new democracies struggle to make citizen participation possible. Students learn to address public problems by organizing: developing leadership, building community and mobilizing power. Our pedagogy links sociological, political science, and social psychology theory with democratic practice.

Note: Ten hours a week for field work required.

[*Social Studies 98fv. The Rural and the Urban]

Catalog Number: 6981

Christopher J. Sturr

Half course (spring term). Hours to be arranged.

Examines the modernization of rural and urban areas, from the point of view of social theory. We rightly associate modernization with urbanization, but how does modernization affect rural society? Is the country only shaped by the city, whether improved, corrupted, or simply left behind? How does modernization affect urban areas as distinctive places? Our main focus is on the US, but we also consider historical examples of modernizing Europe and contemporary developing countries.

Note: Expected to be given in 2004–05.

***Social Studies 98fx. The New Politics of Europe**

Catalog Number: 5447

Daniel F. Ziblatt

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

In the post-Cold War era, Europe’s map is being redrawn. The rise to power of new political parties (Green and far-right parties), the onset of fiscal crises, and the deepening and widening of the European Union all have transformed what is meant by the term “Europe.” We explore these transformations by focusing on three areas in particular: (1) national party systems change; (2) shifting national models of political economy, and (3) European Union integration and expansion.



***Social Studies 98ga. Imagining “America”**

Catalog Number: 7787

Rebecca M. McLennan

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines foreign perspectives on American politics, law, and society since World War I. Viewed variously as a land of enslavement and freedom, exile and exclusion, law and lawlessness, the United States has long played a critical conceptual role in other peoples’ endeavors to define themselves, change their societies, and transform the world. Reading sources from Europe, Asia, the Middle-East, and Latin America, while exploring the genealogy and significance of contemporary international conceptions of “America”.

***Social Studies 98gb. Art and Society**

Catalog Number: 8234

Members of the Department

Half course (spring term). W., 4–6. EXAM GROUP: 9

How does art shape society? How does society shape art? We explore how social formations encourage, restrict and debate art and culture. We examine art and cultural policy under different political regimes worldwide. We consider art support, and privatization of public culture. We look at the globalization of culture, changes in public funding, corporate buy-up of art (Microsoft) and cultural tourism (Disney). We then turn to art controversies and cultural conflict.

***Social Studies 98gc. Rights in Conflict**

Catalog Number: 1280

Kay L. Schlozman (Boston College)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Why is politics in America so often framed in terms of rights? What difference does it make for the nature of political conflict and public policy that this happens? We examine the politics of controversies in which claims of rights are made. Cases include the Nazi protest in Skokie, the Japanese internment, education in the Jim Crow South, the rights of the disabled, and the rights of the accused.

Sociology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Sociology

Mary C. Waters, Professor of Sociology (*Chair*)

Lawrence D. Bobo, Norman Tishman and Charles M. Diker Professor of Sociology and of African and African American Studies



Mary C. Brinton, Professor of Sociology, Reischauer Institute Professor of Sociology (*on leave 2004-05*)
 Prudence L. Carter, Assistant Professor of Sociology
 Mariko Chang, Associate Professor of Sociology and of Social Studies
 Frank Dobbin, Professor of Sociology
 Gwendolyn Dordick, Associate Professor of Sociology and of Social Studies (*on leave 2003-04*)
 David R. Gibson, Assistant Professor of Sociology (*on leave spring term*)
 Jason A. Kaufman, John L. Loeb Associate Professor of the Social Sciences
 Michèle Lamont, Professor of Sociology (*on leave spring term*)
 Stanley Lieberson, Abbott Lawrence Lowell Professor of Sociology (*on leave 2003-04*)
 Peter V. Marsden, Professor of Sociology (*Head Tutor*)
 Orlando Patterson, John Cowles Professor of Sociology
 Joel Podolny, Professor of Sociology and Professor of Business Administration (*Business School*)
 Robert J. Sampson, Henry Ford II Professor of the Social Sciences
 Simon Schwartzman, Robert F. Kennedy Visiting Professor of Latin American Studies (*Instituto de Estudos do Trabalho e Sociedade, Brazil*)
 Theda Skocpol, Victor S. Thomas Professor of Government and Sociology (*on leave fall term*)
 C. Matthew Snipp, Visiting Professor of Sociology (*Stanford University*)
 Annemette Sorensen,
 Martin K. Whyte, Professor of Sociology (*Director of Graduate Studies*)
 Christopher Winship, Professor of Sociology
 Mark J. Zimny, Lecturer on Sociology, Visiting Assistant Professor of Sociology, Visiting Scholar in Sociology, Contin Ed/Spec Prog Instructor

Other Faculty Offering Instruction in the Department of Sociology

Nicholas A. Christakis, Professor of Medical Sociology (*Medical School*)
 Leslie G. Cintron, Lecturer on Sociology
 Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)
 Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)
 Katherine Newman, Malcolm Wiener Professor of Urban Studies (*Kennedy School*)
 Mary Ruggie, Adjunct Professor of Public Policy (*Kennedy School*)

Introductory Courses

Sociology 10. Introduction to Sociology

Catalog Number: 4814

Jason A. Kaufman (*fall term*) and Leslie G. Cintron (*spring term*)

Half course (fall term; repeated spring term). Fall: Tu., Th., at 12; Spring: M., W., (F.), at 12.

EXAM GROUP: *Fall: 14; Spring: 5*

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 Ann Dordick

Half course (fall term). Hours to be arranged.

Explores selected aspects of contemporary American society from a sociological perspective. Topics will include gender, socialization and politics; popular culture; the changing suburban landscape; race and ethnicity; and poverty and crime. 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: Expected to be given in 2004–05. Counts for introductory concentration requirement.

Sociology 22. Gender Stratification

Catalog Number: 7997

Mary C. Brinton

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Familiarizes students with central issues and theoretical perspectives regarding gender inequality in the workplace. Focuses first on long-term changes in women's economic participation and in the gendered division of labor as societies undergo processes of industrialization and post-industrialization, then more specifically on the United States and on recent changes in workplace inequality and in the family-work interface.

Note: Counts for introductory concentration requirement.

Sociology 24. Introduction to Inequality

Catalog Number: 9417

Annemette Sorensen

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

Examines individual and structural explanations for the generation and maintenance of inequality in the United States with comparisons to other societies. The consequences of inequality for individuals and groups are studied.

Note: Counts for introductory concentration requirement.

Sociology 25. Introduction to the Sociology of Organizations

Catalog Number: 3609

Frank Dobbin

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

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: Counts for introductory concentration requirement.



[Sociology 38. Introduction to the Sociology of Culture]

Catalog Number: 9912

Leslie G. Cintron

Half course (spring term). Hours to be arranged.

Introduces research and theory in the sociology of culture. Reviews classic and contemporary debates. Topics include high vs. popular culture and the debate over cultural boundaries; the production of culture; the consumption of culture; reflection theory; mass culture theory; national culture and national identity; organizations; intersections between culture and class, gender, ethnicity and race. Examines cultural forms such as novels, magazines, music, biographies, advertising, and the mass media.

Note: Expected to be given in 2004–05. Counts for introductory concentration requirement.

[Sociology 40. Introduction to Human Societies]

Catalog Number: 4512

Half course (spring term). Hours to be arranged.

Introduces the distinct way of thinking and seeing the world through the sociological perspective. Topics to be covered include socialization, immigration, deviance, urbanization, race, ethnicity and genocide, and the particular concepts and tools that sociologists use to study human social life.

Note: Expected to be given in 2004–05. Counts for introductory concentration requirement.

[Sociology 60. Race and Ethnic Relations]

Catalog Number: 4114

Prudence L. Carter

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2004–05. Counts for introductory concentration requirement.

[Sociology 83. Introduction to Small Groups]

Catalog Number: 9907

David R. Gibson

Half course (spring term). Hours to be arranged.

Introduces students to sociological research on primary groups, small-group decision-making, face-to-face interaction, identity, emotions, and social networks.

Note: Expected to be given in 2004–05. Counts for introductory concentration requirement.

Cross-listed Courses

[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations](#)

[Foreign Cultures 63. China's Two Social Revolutions](#)

[*Freshman Seminar 46s. The Idea of Crime](#)



[*Freshman Seminar 46w. Affirmative Action at Work](#)

[*Freshman Seminar 47n. Visualizing the Social World](#)

[Quantitative Reasoning 36. Statistics and Public Policy](#)

[Social Analysis 54. American Society and Public Policy](#)

[*Social Studies 98fe. Topics of Economic Sociology](#)

Tutorials

[*Sociology 91r. Supervised Reading and Research](#)

Catalog Number: 4449

Peter V. Marsden and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual work in sociology under the supervision of teaching staff in the department. A graded supervised course of reading and research on a topic not covered by regular courses of instruction.

Note: Students negotiate topics on their own. A final paper must be filed in the Sociology undergraduate office.

[*Sociology 96. Individual Community Research Internship](#)

Catalog Number: 7425

Peter V. Marsden and staff

Half course (spring term). 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. Interested students should consult the Head Tutor's office. Both concentrators and nonconcentrators are welcome to apply.

[*Sociology 97. Sophomore Tutorial](#)

Catalog Number: 5079

Jason A. Kaufman

Half course (spring term). Hours to be arranged.

Introduction to sociological theory. Aims to give a critical understanding of selected classic and contemporary theories and explore the relative merits of these theories from an empirical standpoint. Students first read influential statements about sociological theory and its relationship to research, and learn how researchers construct, evaluate, and modify theory. Readings focus on the classical theories of Marx, Weber, and Durkheim. Also, students read theoretical pieces by contemporary sociologists. Focuses on the theoretical concerns of the earlier classic thinkers.

Note: Required of and limited to concentrators, ordinarily sophomores.

[*Sociology 98. Junior Tutorial](#)

Catalog Number: 5943



Peter V. Marsden and members of the Department

Half course (fall term; repeated spring term). 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; sex and race in employment; social differences and inequality in US education; and pro-choice/pro-life conflict.

Note: Required of and limited to concentrators, ordinarily juniors.

***Sociology 99. Senior Tutorial**

Catalog Number: 6237

Peter V. Marsden 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 107. The American Family

Catalog Number: 9124

Annemette Sorensen

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

The American family is often thought to be changing in ways considered unfortunate for children and society. At the same time, the family continues to occupy a central place in people's lives. We examine how and why American families have changed and explore the consequences of these changes.

Note: Discussion section required.

Sociology 108. The Sociology of Work and Family

Catalog Number: 9487

Leslie G. Cintron

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Surveys research and theory in the growing area of work-family studies. Explores how work and family life interconnect and influence each other and the implications of these linkages for women, men, children, employers, the community and society. Examines how gender, social class, family structure and race and ethnicity affect individuals' ability to manage work and family. Topics will include work-family conflict; childcare and eldercare issues; changing attitudes towards work-life integration. Private and public policy initiatives will be reviewed.

***Sociology 110. Sociological Approaches to Income and Wealth: Conference Course**

Catalog Number: 2404

Mariko Chang

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

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?

***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: Required of concentrators.

[*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 2004–05.

Sociology 136. Pathways to Public Service: Seminar

Catalog Number: 9739

Christopher Winship

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

We bring normative, analytical, and practical perspectives to the whole spectrum of public service activities: soup kitchens, military service, community advocacy, electoral politics, and service oriented professions.

Note: Current involvement in public service is required.

Sociology 139. Deviance and Social Control

Catalog Number: 4020

Mark J. Zimny

Half course (fall term). M., W., at 1. EXAM GROUP: 6

Relationship of social organization to deviant behavior; identification of deviant behavior and 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. Also



examined are the correctional and causal approaches towards deviance, their limitations and alternative ways to address the subject of deviance.

Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course

Catalog Number: 8242

Orlando Patterson

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

Sociology 153. Media and the American Mind

Catalog Number: 8867

Jason A. Kaufman

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Explores American society through the lens of its various media, including but not restricted to television, theatre, literature, and music. Topics include class and cultural consumption, the business dynamics of the art world, the co-optation and subversion of dominant art forms, the impact of information networks on social structure and social development, and the power of advertising and mass media. Designed to be both fun and informative. Appropriate for sociology concentrators and non-concentrators alike.

***Sociology 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: The US in Comparative Perspective: Conference Course

Catalog Number: 3030

Mary Ruggie (Kennedy School)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the role of various actors and venues (including governments, courts, interest groups, employers) on the development and implementation of policies on health, labor market, family, welfare and violence. Policies in the US are compared with those in selected European countries. Theoretical perspectives are drawn from the literature on the welfare state and feminist legal theory.

[Sociology 158. Gender Stratification]

Catalog Number: 1956

Annemette Sorensen

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

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 (spring term). Th., 1–4. EXAM GROUP: 15, 16, 17

Complements Sociology 162, providing opportunities for students to examine the culture and political economy of biomedicine and health care institutions in the United States and internationally. Current debates on medical education and training; cultural diversity, disparities and inequalities in medical and mental health care; medical error and quality of care; societal resources; and bioethical dilemmas in clinical practice, research and health policy, will be analyzed through comparative, global, and local perspectives. Readings will emphasize diverse theoretical and methodological approaches.

[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 2004–05.



[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 on integrating quantitative descriptions of poverty (rates, trends, etc), shifting policy debates, and exploring texts regarding how low-income people understand and respond to the conditions of living poor in a wealthy society. Race, ethnicity, gender and stigma addressed. Recent research on low-income working mothers/parents and children.

Note: Expected to be given in 2004–05.

[Sociology 167. The Social Origins of Terrorism]

Catalog Number: 9817

Half course (fall term). Hours to be arranged.

Examines the social, religious, and political foundations of terrorism by studying the roots of terrorism historically and cross-nationally. We look at the differing kinds of terrorism, including political terrorism in the Middle East, anti-abortion terrorism in the United States, eco-terrorism, and religious and state terrorism throughout the world. Students have a chance to better understand the beliefs of terrorists, conditions that produce and sustain terrorism, and the origins of political violence more generally.

Note: Expected to be given in 2004–05.

Sociology 169. Organizations and Deviance: Conference Course

Catalog Number: 9466

Mark J. Zimny

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Examines deviant actions of organizations, including such behaviors as price fixing, environmental pollution, illegal campaign financing, governmental and bureaucratic corruption, financial and accounting fraud, discrimination in hiring and promotion, and deceptive marketing. Focus will be on exploring the origins of such behaviors in organizations, the processes by which they became institutionalized, and the processes by which they become defined as deviant organizational actions.

Sociology 177. American Indians in Comparative/Historical Perspective

Catalog Number: 4406

C. Matthew Snipp (Stanford University)

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

A comparative historical survey of the broad demographic, economic, and political forces that shaped relations between Euro-Americans and American Indians, 1600-1890. Special attention is paid to the evolution of the doctrine of tribal sovereignty and how the intersection of these processes affected the outcome of conflicts between these two groups, and how this conflict was decisive in determining the social position of American Indians in the late nineteenth century.



Sociology 178. American Indians in Contemporary Society

Catalog Number: 1332

C. Matthew Snipp (Stanford University)

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Surveys the social position of American Indians in modern American society, 1890 to the present. Topics to be covered include the demographic resurgence of American Indians, changes in social and economic status, ethnic identification and political mobilization, and institutions such as tribal governments and the Bureau of Indian Affairs.

Sociology 180. Social Change in Japan: Conference Course

Catalog Number: 4844 Enrollment: Limited to 25.

Mary C. Brinton

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Examines several areas of social and economic life in Japanese society and the nature of change within them. Considered in particular: how people's experience of the family, education, work, and social class is structured in contemporary Japan; how analytical comparisons can be made to other societies; and how change has occurred in recent decades. No Japan-specific knowledge is necessary, but an interest in social science concepts and methods is important.

Sociology 182. Race & Ethnic Relations: Conference Course

Catalog Number: 7793

C. Matthew Snipp (Stanford University)

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

An overview of the role of race and its impact on everyday life in America. We begin with a brief historical overview of race in America, and examine the connection of racial heritage and identity with topics such as violence, the media, sports, education, and economic well-being.

Sociology 184. Freedom in America: An Historical Sociology: Conference Course

Catalog Number: 9740

Orlando Patterson

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Examines the social construction and practice of freedom in America from early colonial times to the present. Freedom explored not simply as an idea, but as a cultural system that both shapes and is shaped by changing socio-economic contexts. Special attention paid to the ways in which constructions of freedom vary by class, gender and ethnicity, and the role of slavery, the revolution, the civil war, and the Civil Rights movement in the development of this ideal.

Sociology 185. Race and Crime in America: Seminar

Catalog Number: 4244

Lawrence D. Bobo

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Examines sociological thinking and research on race and crime. General theories of involvement in crime and deviance will be discussed with special attention to issues of youth gangs, to impact of poverty and of racial residential segregation on involvement in crime, and the impact of high rates of incarceration on minority communities. The course will address the tightly inter-



connected politics of race and crime as well the role the media plays in fostering fear of crime and racial stereotypes. Finally, the course will engage the major public policy questions raised by the now historic high rates of incarceration of minority youth.

Sociology 187. Poverty, Exclusion and Modernization: Conference Course

Catalog Number: 2042

Simon Schwartzman (Instituto de Estudos do Trabalho e Sociedade, Brazil)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

Examines how modern societies have generated and interpreted questions of poverty and social exclusion: the “classes dangereuses” and the lumpenproletariat in Europe; the English debates on poverty, slavery, and capitalism; conservative modernization and marginality in Latin America; social exclusion and fascism; the underclass debate in the US; race and religion; and social exclusion and postmodernity. We also discuss modern proposals for dealing with these issues, including questions of redistributive policies, empowerment, and education.

Sociology 191. Cities and Regions: Conference Course

Catalog Number: 6203 Enrollment: Limited to 25.

Leslie G. Cintron

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Examines how cities and regions are shaped and the social, political, economic, historical, technological, ecological and other forces that help shape them. Focuses on the spatial dimension of evolving societies. Topics include: the development of the US North and South; the plantation complex; the emergence of the industrial Northern metropolis; suburbanization and post-suburbanization; the “crisis of the cities” and policy responses (such as Urban Renewal); gentrification; de-industrialization; and the debate over the future of cities and regions.

Sociology 198. Crime & Disorder in the City: Conference Course

Catalog Number: 5382 Enrollment: Limited to 25.

Robert J. Sampson

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

The concepts of disorder and disorganization have long been the subject of sharp intellectual disagreement, especially in accounts of crime in the city. After touching on classic approaches to these notions, we will focus on contemporary debates and research, including the social ecology of crime and urban inequality, community social (dis)organization, broken-windows theory, street life and violence in the inner city, symbolic meanings of disorder, and competing visions for order in public spaces.

Cross-listed Courses

[Afro-American Studies 196z. Race, Segregation, and Inequality]

Psychology 15. Social Psychology

Women’s Studies 1125 (formerly Women’s Studies 125). Gender and Health

Primarily for Graduates



***Sociology 203a. Methods of Quantitative Sociological Research I**

Catalog Number: 3315

Christopher Winship

Half course (spring term). M., W., 10–12. EXAM GROUP: 3, 4

Matrix approach to regression analysis with an emphasis on the assumptions behind OLS. Instrumental variables, generalized least squares, probit and logit models, survival analysis, hierarchical linear models, and systems of equations are studied.

Note: Required of first-year graduate students in Sociology.

Prerequisite: Basic course in regression analysis.

[*Sociology 203b. Methods of Quantitative Sociological Research II]

Catalog Number: 1860

Peter V. Marsden

Half course (fall term). Hours to be arranged.

Treats longitudinal design and methods for the statistical analysis of longitudinal data with an emphasis on the analysis of change in discrete variables, or event history analysis. Includes an introduction to time series analysis. Both statistical theory and practical applications covered.

Note: Expected to be given in 2004–05. Primarily for graduate students in sociology.

Prerequisite: Sociology 203a.

Sociology 204. Sociological Theory: Seminar

Catalog Number: 6189

Michèle Lamont

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A survey of 19th and early 20th century social theory with a focus on the relation between the authors' political concerns, their models and modes of explanation. Authors include Marx, Weber, Durkheim, Simmel, Mead, and Parsons.

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., 1–3. EXAM GROUP: 15, 16

Examines debates surrounding the nature of the process of economic development. Major attention is devoted to rival theories of where and why development occurs and to a variety of social consequences of economic development.

***Sociology 208. Contemporary Theory and Research: Seminar**

Catalog Number: 6080

Mary C. Brinton

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

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: Seminar**

Catalog Number: 1198

Mary C. Waters

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

Examines methodological approaches to non-numerical data used by social scientists to obtain valid, reliable, and meaningful insight into the social world through the analysis of ethnographic field notes, interview transcripts, archival and other interpretative data.

Note: Required of and limited to first-year graduate students in Sociology.

[*Sociology 210. Issues in the Interpretation of Empirical Evidence: Seminar]

Catalog Number: 2882

Stanley Lieberson

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

Sociology 214. Measuring America: Substance/Methodology of the Census

Catalog Number: 4963

C. Matthew Snipp (Stanford University)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The history, theory, and special methodologies required to enumerate the United States population, along with the organization and structure of the US Census Bureau.

[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 2004–05.

[*Sociology 221. Immigration, Identity and Assimilation: Seminar]

Catalog Number: 9699 Enrollment: Limited to 15.

Mary C. Waters

Half course (fall term). Hours to be arranged.

Examines the experiences of immigrants who have arrived in the US 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.

Note: Expected to be given in 2004–05.



Sociology 224. Organizational Analysis: Seminar

Catalog Number: 8202

Joel Podolny (Business School)

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

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 225. Historical Sociology: Studying Continuity and Change: Seminar

Catalog Number: 8750

Orlando Patterson

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Examines the main approaches to the interface of history and sociology. Major theoretical traditions and methodological strategies (both quantitative and qualitative) are appraised mainly through the exploration of exemplary studies.

Sociology 231. Neighborhood Effects & Community-Level Social Processes

Catalog Number: 6611

Robert J. Sampson

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Examines contemporary research on the role of neighborhoods in modern city life. Topics include segregation and neighborhood social isolation; social networks and trust; spatial forms of racial inequality; and the role of institutions in generating collective action.

[*Sociology 232. Social Movements: Seminar]

Catalog Number: 1333

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

Sociology 237. Contemporary Chinese Society: Seminar

Catalog Number: 4320

Martin K. Whyte

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

A seminar devoted to the intensive analysis of a particular aspect of contemporary Chinese society. This year the focus will be on trends in inequality and stratification in China.

Sociology 243. Economic Sociology

Catalog Number: 2022



Frank Dobbin

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Economic sociology has been revived of late, with studies of corporate strategy, national business systems, and pricing decisions. We survey institutional, network, power, and cognitive theories of economic behavior.

Sociology 248. Race, Politics, and Social Inequality: Seminar

Catalog Number: 8035

Lawrence D. Bobo

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Examines intersection of race, public will, and policy-making. Reviews theories of race-making and racial inequality, dynamics of public opinion, and effects of a racialized public sphere on social policy. Focuses on the welfare state, the criminal justice system, and the dynamics of a multiethnic society.

[*Sociology 249. “Race,” Culture and Social Structure: Seminar]

Catalog Number: 5727

Orlando Patterson

Half course (spring term). Hours to be arranged.

Examines the socio-economic and cultural dimensions of racial inequality in the US. 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.

Note: Expected to be given in 2004–05.

[*Sociology 250. Culture: Current Issues in the Study of Taste: Seminar]

Catalog Number: 4641

Stanley Lieberson

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

***Sociology 255. Social Stratification: Seminar**

Catalog Number: 3839

Annemette Sorensen

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

Examines theoretical and empirical approaches to understanding the sources, structure and consequences of persistent social inequalities. The possible rise of postmodern forms of inequality, including claims of the classless society, also discussed.

Prerequisite: Sociology 203a or equivalent.



[Sociology 256. Sociology of Education: Seminar]

Catalog Number: 7794

Prudence L. Carter

Half course (spring term). Hours to be arranged.

Examines current theory and research about education's role in contemporary society, including its connections to communities, the economy, social stratification and cultural reproduction; and the role of organizational and internal school processes on student achievement.

Note: Expected to be given in 2004–05.

[Sociology 261. Studying Life Histories]

Catalog Number: 9845

Annemette Sorensen

Half course (spring term). Hours to be arranged.

Life histories and their use in the study of the life course, human development, careers, causal effects and social change. Examines research traditions, including biographical studies, retrospective life history studies, and prospective studies.

Note: Expected to be given in 2004–05.

***Sociology 271. Sociology of Culture: Seminar**

Catalog Number: 5401

Jason A. Kaufman

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Reviews contemporary themes and approaches in the sociology of culture. Topics will include media and mass society; class, culture, and power; the production of culture; neo-institutionalism; culture and cognition; macro-theories of social change; and methodology.

[Sociology 273. Models of Social Dynamics]

Catalog Number: 9525

David R. Gibson

Half course (fall term). Hours to be arranged.

Explores mathematical (and especially simulation) models of social dynamics, in order to evaluate their usefulness as instruments of sociological insight. Students may devise and implement models of their own (if the technical background can be assumed or imparted).

Note: Expected to be given in 2004–05.

***Sociology 275. Social Network Analysis: Seminar**

Catalog Number: 6899

Peter V. Marsden

Half course (fall 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 278. Time and Social Action: Seminar

Catalog Number: 6328



David R. Gibson

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Review of research on action sequences and interdependencies, with topics including synchronization, periodicity, scheduling, interruption, and network activation and suppression. Various methodological approaches, including ethnographic and computational, will also be explored.

[Sociology 286. The New Culture of Poverty]

Catalog Number: 9903

Gwendolyn Dordick

Half course (spring term). Hours to be arranged.

Focuses on recent sociological accounts of how America's poor live. Emphasis on the importance of key institutions such as family, peer group, neighborhood, and public and private caregivers. Attention to the limits of current poverty policy and alternative possibilities.

Note: Expected to be given in 2004–05.

Sociology 287. Social Policies in Latin America: Issues, Stakeholders, Outcomes: Seminar

Catalog Number: 1529

Simon Schwartzman (Instituto de Estudos do Trabalho e Sociedade, Brazil)

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Examines social policies in Latin America—education, health, social security, and others—looking at existing information, existing policy recommendations, and the actions of stakeholders. We also examine social movements and public agencies.

Note: Open to all students, with preference given to those doing research in this area.

***Sociology 296a. Proseminar on Inequality and Social Policy I**

Catalog Number: 6231 Enrollment: Limited to 18.

Christopher Jencks (Kennedy School)

Half course (fall term). M., 2:10–4. EXAM GROUP: 7, 8

Deals with the causes of economic inequality, including demand for various kinds of skills, the supply of such skills, cultural differences, political attitudes, political institutions, and living arrangements.

Note: Offered jointly with the Kennedy School as HLE-511.

Cross-listed Courses

[Government 2008 (formerly Government 2141). History, Institutions, and Political Analysis]

[Government 2326. American Political Development and Contemporary Politics]

***Government 2340. Proseminar on Inequality and Social Policy II**

[*Psychology 2630. Social Behavior in Organizations: Seminar]

Graduate Courses of Reading and Research

[*Sociology 300. Workshop on Race/Ethnicity, Culture and Social Structure]

Catalog Number: 6654



Orlando Patterson 1091

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.

Note: Expected to be given in 2004–05.

***Sociology 301. Special Reading and Research**

Catalog Number: 4017

Lawrence D. Bobo 2919, Mary C. Brinton 4567 (on leave 2004-05), Prudence L. Carter 3973, Mariko Chang 1563, Nicholas A. Christakis (Medical School) 4459, Leslie G. Cintron 3738, Frank Dobbin 4622, Gwendolyn Dordick 3011 (on leave 2003-04), David R. Gibson 3976 (on leave spring term), Mary-Jo Del Vecchio Good (Medical School) 7721, Christopher Jencks (Kennedy School) 2160, Jason A. Kaufman 2147, Michèle Lamont 4634 (on leave spring term), Stanley Lieberson 1937 (on leave 2003-04), Peter V. Marsden 1797, Katherine Newman (Kennedy School) 2651, Orlando Patterson 1091, Joel Podolny (Business School) 4483, Robert J. Sampson 4546, Theda Skocpol 1387 (on leave fall term), C. Matthew Snipp (Stanford University) 4707, Annemette Sorensen 4159, Mary C. Waters 1498, Martin K. Whyte 3737, Christopher Winship 3189, and Mark J. Zimny 3922

***Sociology 302. Direction of Doctoral Dissertations**

Catalog Number: 5021

Members and Associates of the Department listed under Sociology 301.

***Sociology 303a. Advanced Topics in Quantitative Research**

Catalog Number: 5636

Christopher Winship 3189

Examines current methodological scholarship in the social sciences with an eye to assessing its quality and potential for advancing quantitative methods. Recently published and unpublished work by local scholars examined.

***Sociology 305. Teaching Practicum**

Catalog Number: 0259

Peter V. Marsden 1797 and staff

Half course (fall term). F., 2–4.

Note: Required of graduate students in Sociology. Attendance at first meeting is required.

***Sociology 306r. Colloquium in Sociology**

Catalog Number: 4818

Mariko Chang 1563

Half course (fall term; repeated spring term). Fall: Th., 12–2; Spring: Tu., 12–2.

Provides a forum for advanced graduate students 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. Workshop on Inequality and Social Policy III**

Catalog Number: 0137



Katherine Newman (Kennedy School) 2651

Half course (fall term). M., W., 2:10–4. EXAM GROUP: 7, 8

Students develop previously completed papers from Sociology 296a or 296b into professional presentations and publishable articles, critique peer papers across disciplines, and discuss presentations of national experts.

Note: Offered jointly with the Kennedy School as HLE-513.

Prerequisite: Sociology 296a or 296b (or HLE-511 or HLE-512 at the Kennedy School) or by permission of Instructor.

[*Sociology 310r. Colloquium in Social Movements, Politics, and Religion]

Catalog Number: 1316

Jason A. Kaufman 2147

Bi-weekly colloquium for graduate students that examines social movements, politics, and religion. Students participate in meetings and present original research.

Note: Expected to be given in 2004–05.

Cross-listed Courses

***Social Policy 301. Research and Social Policy**

South Asian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on South Asian Studies

Sugata Bose, Gardiner Professor of Oceanic History and Affairs (*Chair*)

A. Razzaque Ahmed, Associate Professor of Oral Medicine, Infection, and Immunity (*Dental School*)

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures, Associate of Lowell House

Homi K. Bhabha, Anne F. Rothenberg Professor of English and American Literature and Language

Pramod Chandra, George P. Bickford Professor of Indian and South Asian Art, George P. Bickford Professor of Indian and South Asian Art, Emeritus, George P. Bickford Research Professor of Indian and South Asian Art

Diana L. Eck, Professor of Comparative Religion and Indian Studies (*on leave spring term*)
Rena Fonseca,

William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies

Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology



Sheila S. Jasanoff, Professor of Science and Public Policy (*Kennedy School, Public Health*)
 Asim I. Khwaja, Assistant Professor of Public Policy (*Kennedy School*)
 Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology (*FAS*) and Professor of Psychiatry and Medical Anthropology (*Medical School*)
 Smita Lahiri, Assistant Professor of Anthropology
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science, Department Chair of Government
 John H. Mansfield, John H. Watson Jr., Professor of Law (*Law School*)
 Richard H. Meadow,
 Parimal G. Patil, Assistant Professor of the Study of Religion and of Sanskrit and Indian Studies
 Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave fall term*)
 Amartya Sen, Lamont University Professor
 Sharmila Sen, Assistant Professor of English and American Literature and Language (*on leave spring term*)
 Ajantha Subramanian, Assistant Professor of Anthropology and of Social Studies
 T. Robert Travers, Assistant Professor of History
 Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies
 Michael Witzel, Wales Professor of Sanskrit
 Richard K. Wolf, Harris K. Weston Associate Professor of the Humanities
 Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies

The Committee on South Asian Studies is a multi-disciplinary group of scholars appointed to coordinate teaching and research on South Asia (the nation-states of India, Pakistan, Bangladesh, Sri Lanka, Nepal, Bhutan, the Maldives and their neighboring areas) among Harvard's departments and schools and is concerned with the planned development of South Asian studies in the University as a whole. It works in close collaboration with the Asia Center, especially its South Asia Initiative, to promote the study of South Asia in a comparative and global context. In association with the Asia Center, it sponsors lectures, seminars, conferences, films and exhibitions on South Asia. There are currently three FAS seminar series wholly focused on South Asia: South Asia without Borders, the South Asia Politics Seminar and the South Asia Humanities Seminar.

The Committee is working to expand the range of curricular options open to undergraduates. An undergraduate concentration is currently offered in the Department of Sanskrit and Indian Studies. Graduate degrees with a South Asian focus can be sought in the Departments of History, Religion, Sanskrit and Indian Studies and other departments. A PhD degree can be pursued in the Department of History in South Asian and Indian Ocean history. South Asian religions can be studied towards a PhD degree under the Committee on the Study of Religion. The Department of Near Eastern Languages and Civilizations offers a PhD track in Indo-Islamic culture. The Asia Center awards several South Asia-related undergraduate and graduate research and travel grants and fellowships.

At present, Harvard offers more than 100 non-language courses in South Asian Studies in various departments of the Faculty of Arts and Sciences and Professional Schools on a regular basis, with many offered every year and all offered at least once every three years. Of these, over 60 consist of 100 percent South Asian content. Courses with at least 25 percent South Asian



content number nearly 40. More than 30 language courses are offered with at least three-year sequences in Hindi-Urdu and Sanskrit. Reciprocal cross-registration agreements are in place with the Massachusetts Institute of Technology and for graduate students at the Fletcher School of Law and Diplomacy at Tufts University. A full list of South Asia-related courses is published on the Committee's webpage.

Courses of Interest

[*Anthropology 205a. History and Theory of Social Anthropology: Proseminar](#)

[Anthropology 205b. History and Theory of Social Anthropology: Proseminar](#)

*Anthropology 311. Methods and Theory in Archaeology

*Anthropology 323. Old World Archaeology (Europe, Asia, and Africa)

*Anthropology 324. Asiatic Archaeology and Ethnography

[*Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar]

[Economics 2390b. Development Economics I: Microeconomic Issues](#)

[Economics 2390d. The Economic Growth and Development Workshop](#)

[English 167p. Postcolonial Narratives](#)

[*Indian Studies 91r. Supervised Reading and Research](#)

[*Indian Studies 98r. Tutorial — Junior Year](#)

[*Indian Studies 99. Tutorial — Senior Year](#)

[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 206. Old Indian and Eurasian Creation Myths: Seminar]

[Indian Studies 211. Archaic Indian Religion: The Vedas. Seminar]

*Indian Studies 302. Reading and Research

[Linguistics 122. Introduction to Indo-European]

[Linguistics 220ar. Advanced Indo-European](#)

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

[Nepali 101b \(formerly Nepali 101\). Introductory Nepali](#)

[Pali 101a. Introductory Pali](#)

[Pali 101b. Introductory Pali](#)

[Pali 102a. Intermediate Pali]

[*Pali 102b. Intermediate Pali]

[Pali 103r. Readings in Pali](#)

[Persian 140ar. Selected Readings in Classical Persian Literature](#)

[Persian 140br. Selected Readings in Classical Persian Literature](#)

[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]

[Social Analysis 36. Religion and Modernization: Cultural Revolutions and Secularism](#)

[Thai 101a. Introductory Thai I](#)

[Thai 101b. Introductory Thai II](#)



[Thai 102a. Intermediate Thai I]

[Thai 102b. Intermediate Thai II]

*Thai 300. Reading and Research

[Tibetan 101a. Elementary Classical Tibetan](#)

[Tibetan 101b. Elementary Classical Tibetan](#)

[Tibetan 103r \(formerly Tibetan 103\). Introduction to Pre-Classical Tibetan](#)

[Tibetan 104ar \(formerly Tibetan 104a\). Elementary Colloquial Tibetan](#)

[Tibetan 104br. Elementary Colloquial Tibetan](#)

[Tibetan 105ar (formerly Tibetan 105a). Intermediate Colloquial Tibetan]

[Tibetan 105br (formerly Tibetan 105b). Intermediate Colloquial Tibetan]

[Tibetan 200ar \(formerly Tibetan 200a\). Classical Poetic Tibetan](#)

[Tibetan 202r. Readings in Advanced Philosophical Tibetan](#)

[Tibetan 203ar (formerly Tibetan 203a). Readings in Canonical Buddhist Tibetan]

[Tibetan 207ar (formerly Tibetan 207a). Readings in Classical Tibetan Scientific Literature]

[Tibetan 215r (formerly Tibetan 215). Introduction to Madhyamika]

*Tibetan 300. Reading and Research

*Tibetan 302. Direction of AM Theses

*Tibetan 305. Tibetan and Himalayan Studies — Reading and Research

[Urdu 101. Introductory Urdu-Hindi](#)

[Urdu 102. Intermediate Urdu-Hindi](#)

[Urdu 103a. Advanced Urdu-Hindi](#)

[Urdu 103b. Advanced Urdu-Hindi](#)

[Urdu 104. The Classical Urdu Ghazal and Its Symbolism](#)

[Urdu 105r. Topics in Urdu-Hindi Literature](#)

*Urdu 300. Reading and Research

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*) (*on leave 2004-05*)

Allan M. Brandt, Professor of the History of Science (*FAS*) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*) (*on leave spring term*)

Peter Buck, Senior Lecturer on the History of Science

Julie A. Buckler, Professor of Slavic Languages and Literatures

Deborah D. Foster, Senior Lecturer on Folklore and Mythology (*Director of Undergraduate*)



Studies)

Claudia Goldin, Henry Lee Professor of Economics
Stephen M. Kosslyn, John Lindsley Professor of Psychology
Karel F. Liem, Henry Bryant Bigelow Professor of Ichthyology
Robb Moss, Rudolf Arnheim Lecturer on Filmmaking
Sandra Naddaff, Senior Lecturer on Literature
Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave fall term*)
Philip Stone, Professor of Psychology
Richard K. Wolf, Harris K. Weston Associate Professor of the Humanities

Application forms and information on completing petitions for Special Concentrations may be obtained from the Committee's office, University Hall, First Floor North.

Primarily for Undergraduates

***Special Concentrations 91r. Supervised Reading and Research**

Catalog Number: 2815

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to Special Concentrations concentrators who wish to pursue supervised study for graded credit in an area not covered by courses currently offered by regular Departments and Committees. Students must secure the written approval of the faculty member with whom they wish to study and the signature of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 96r. Senior Projects**

Catalog Number: 0829

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Designed for seniors in their final term completing their senior project to meet the Basic (rather than Honors) requirements for concentration. May be repeated with the permission of the Director of Undergraduate Studies and the Faculty Adviser. Students must secure the written approval of the faculty member with whom they wish to study and the signature of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 97r. Tutorial — Sophomore Year**

Catalog Number: 2660

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken by honors sophomores.

***Special Concentrations 98r. Tutorial — Junior Year**

Catalog Number: 2497

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion two terms of *Special Concentrations 98r are ordinarily required of



all honors concentrators in their junior year. Exceptions to this can only be granted with the consent of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 99. Tutorial — Senior Year**

Catalog Number: 3294

Deborah D. Foster and members of the Committee

Full course. Hours to be arranged.

Note: Ordinarily taken by honors seniors as a full course. Either half year may be taken as a half course only with the consent of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations. Graded Sat/Unsat.

Statistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Statistics

Donald B. Rubin, John L. Loeb Professor of Statistics (*Chair*)

Arthur P. Dempster, Professor of Theoretical Statistics

Mark E. Irwin, Lecturer on Statistics

S.C. Samuel Kou, Assistant Professor of Statistics (*Co-Head Tutor*)

Jun S. Liu, Professor of Statistics (*Co-Head Tutor*)

Xiao-Li Meng, Professor of Statistics (*on leave fall term*)

Carl N. Morris, Professor of Statistics (*Director of Graduate Studies*)

Nathan Asher Taback, Lecturer on Statistics

Wing H. Wong, Professor of Statistics (*FAS*) and Professor of Computational Biology (*Public Health*)

Other Faculty Offering Instruction in the Department of Statistics

Greg DiRienzo, Assistant Professor of Biostatistics (*Public Health*)

David P. Harrington, Professor of Biostatistics (*Public Health*)

Frederick Mosteller, Professor of Mathematical Statistics, *Emeritus*, (*FAS*), and Roger Irving Lee Professor of Mathematical Statistics *Emeritus* (*Public Health*)

Bernard Rosner, Professor of Medicine (*Medical School*)

Florin A. Vaida, Assistant Professor of Biostatistics (*Public Health*)

Alan Zaslavsky, Professor of Statistics (*Medical School*)

The Statistics Department offers four courses at the introductory level (below Statistics 110).



Statistics 100 and 101 are essentially equivalent in terms of their quantitative requirements, but differ in the amount of emphasis placed on different techniques and applications. Statistics 100 emphasizes regression, including multiple regression, which is essential in economics and related fields. Statistics 101 emphasizes analysis of variance, which is widely used in experimentally oriented subjects such as psychology and biology. Statistics 104 combines the content of Statistics 100 and 101, 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

S.C. Samuel Kou, Jun S. Liu 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

S.C. Samuel Kou, Jun S. Liu 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

David P. Harrington (Public Health) (spring term) and Nathan Asher Taback (fall term)

Half course (fall term; repeated spring term). M., W., F., at 11, and a section 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. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Statistics 101. Introduction to Quantitative Methods

Catalog Number: 5128

Florin A. Vaida (Public Health)

Half course (fall term). M., W., F., at 11, and a section 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. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

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. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Statistics 104. Introduction to Quantitative Methods

Catalog Number: 4582

Mark E. Irwin

Half course (fall term). M., W., F., at 11, and a section 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. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Statistics 110. Introduction to Probability

Catalog Number: 0147

Wing H. Wong

Half course (fall term). M., W., F., at 10, and a section to be arranged. EXAM GROUP: 3

A comprehensive introduction to probability. Basics: sample space, conditional probability, Bayes Theorem. Univariate distributions: mass functions and density, expectation and variance, binomial, Poisson, normal, and gamma distributions. Multivariate distributions: joint and conditional distribution, independence, transformation, multivariate normal and related distributions. Limit laws: probability inequalities, law of large numbers, central limit theorem.



Markov chains: transition probability, stationary distribution and convergence.

Note: This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 21a or equivalent required, concurrent Mathematics 21b or equivalent recommended.

Statistics 111. Introduction to Theoretical Statistics

Catalog Number: 1836

S.C. Samuel Kou

Half course (spring term). M., W., F., at 12, and a section to be arranged. EXAM GROUP: 5

Basic concepts of statistical inference from frequentist and Bayesian perspectives. Topics include maximum likelihood methods, confidence and Bayesian interval estimation, hypothesis testing, least squares methods, and analysis of variance.

Prerequisite: Statistics 110 and Mathematics 21a and 21b (may be taken concurrently) or equivalent.

[Statistics 131. Times Series Analysis and Forecasting]

Catalog Number: 8291

Half course (fall term). Hours to be arranged.

An introduction to time series models and associated methods of data analysis and inference. Auto regressive (AR), moving average (MA), ARMA, and ARIMA processes, stationary and non-stationary processes, seasonal processes, auto-correlation and partial auto-correlation functions, identification of models, estimation of parameters, diagnostic checking of fitted models, forecasting, time domain regression approach including Box-Jenkins method, and spectral analysis.

Note: Expected to be given in 2004–05.

Prerequisite: Statistics 111 and 139 or equivalent.

Statistics 139. Statistical Sleuthing Through Linear Models

Catalog Number: 1450

Xiao-Li Meng

Half course (spring term). Tu., Th., 1–2:30; Tu., at 3; F., at 11, and a section to be arranged.

EXAM GROUP: 15, 16

Formerly "Regression Analysis", now a serious introduction to statistical inference when linear models and related methods are used. Topics include the pros and cons of t-tools and their alternatives, multiple-group comparisons, linear regressions, model checking and refinement. The emphasis is on statistical thinking and tools for real-life problems, including current events whenever relevant.

Prerequisite: Statistics 100 or equivalent and Mathematics 21a and 21b or equivalent.

[Statistics 140. Design of Experiments]

Catalog Number: 7112

Half course (spring term). Hours to be arranged.

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 block and Latin square designs, balanced incomplete block designs, factorial designs, nested factorial designs, confounding in blocks, and fractional replications.

Note: Expected to be given in 2004–05.

Prerequisite: Statistics 100 and 139, or equivalent.

Statistics 149. Generalized Linear Models

Catalog Number: 6617

Greg DiRienzo (Public Health)

Half course (spring term). Tu., Th., 10–11:30 and a section to be arranged. EXAM GROUP: 12, 13

An introduction to methods for analyzing categorical data. Emphasis will be on understanding models and applying them to datasets. Topics include visualizing categorical data, analysis of contingency tables, odds ratios, log-linear models, generalized linear models, logistic regression, Poisson regression and model diagnostics. Examples drawn from many fields, including biology, medicine and the social sciences.

Prerequisite: Statistics 139 or equivalent.

Statistics 160. Survey Methods

Catalog Number: 2993

Alan Zaslavsky (Medical School)

Half course (fall term). M., 2:30–4, W., 3:30–5. EXAM GROUP: 7, 8, 9

Methods for design and analysis of sample surveys. The toolkit of sample design features, their use in optimal sample design strategies, and sampling weights) and variance estimation methods (including resampling methods). Brief overview of nonstatistical aspects of survey methodology such as questionnaire design and validation. Additional topics include variance estimation for complex surveys and estimators, nonresponse, missing data, hierarchical models for survey data, and small-area estimation.

Prerequisite: Statistics 111 or 139, or permission of instructor.

Statistics 171. Introduction to Stochastic Processes

Catalog Number: 4180

Jun S. Liu

Half course (spring term). Tu., Th., 11:30–1 and a section to be arranged. EXAM GROUP: 13, 14

An introductory course in stochastic processes. Topics include Markov chains, branching processes, Poisson processes, birth and death processes, renewal theory, queuing theory, Brownian motion, and Martingales.

Prerequisite: Statistics 110 or equivalent.

Primarily for Graduates

Statistics 210. Probability Theory and Mathematical Statistics

Catalog Number: 2487

Carl N. Morris

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16



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 Mathematical Statistics II

Catalog Number: 1946

S.C. Samuel Kou

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

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, Bayes Factor, 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

Half course (fall term). Hours to be arranged.

Approaches to causal inference. Covers randomized experiments with and without noncompliance, observational studies with and without ignorable treatment assignment, instrumental variables and sensitivity analysis. A number of applications from economics, medicine, education, etc., are discussed.

Note: Expected to be given in 2004–05.

Statistics 215 (formerly Statistics 315a and 315b). Fundamentals of Computational Biology

Catalog Number: 3304

Wing H. Wong

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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.

Statistics 217. Statistical Inference as Probabilistic Reasoning

Catalog Number: 6678

Arthur P. Dempster

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A survey of 20th Century modes of uncertain reasoning from data, including Fisherian and Bayesian thinking, and reviewing basic advances in the Dempster-Shafer approach from the



1960's to the present.

Prerequisite: Statistics 110 and 111, or equivalent.

Statistics 220. Bayesian Data Analysis

Catalog Number: 6270

Jun S. Liu

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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

Mark E. Irwin

Half course (spring term). W., F., 3:30–5. EXAM GROUP: 8, 9

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.

Cross-listed Courses

***Government 3009. Research Workshop in Applied Statistics**

Graduate Courses of Reading and Research

***Statistics 301. Special Reading and Research**

Catalog Number: 4474

Arthur P. Dempster 2345, S.C. Samuel Kou 4054, Jun S. Liu 3760, Xiao-Li Meng 4023 (on leave fall term), Carl N. Morris 2178, Frederick Mosteller 2235, Bernard Rosner (Medical School) 4018, Donald B. Rubin 7966, Wing H. Wong 3759, and Alan Zaslavsky (Medical School) 1927

***Statistics 302. Direction of Doctoral Dissertations**

Catalog Number: 3382

Arthur P. Dempster 2345, S.C. Samuel Kou 4054, Jun S. Liu 3760, Xiao-Li Meng 4023 (on leave fall term), Carl N. Morris 2178, Bernard Rosner (Medical School) 4018, Donald B. Rubin 7966, Wing H. Wong 3759, and Alan Zaslavsky (Medical School) 1927



***Statistics 311. Monte Carlo Methods in Scientific Computing**

Catalog Number: 0826

Jun S. Liu 3760

Half course (spring term). Th., 3:30–5. EXAM GROUP: 17, 18

Prerequisite: Statistics 220 or equivalent.

***Statistics 321. Stochastic Modeling and Bayesian Inference**

Catalog Number: 4060

S.C. Samuel Kou 4054

Half course (fall term). Hours to be arranged.

Stochastic processes and their applications in scientific, economic, and financial modeling.

Bayesian inference about stochastic models based on the Monte Carlo sampling approach.

***Statistics 324r. Parametric Statistical Inference and Models**

Catalog Number: 3366

Carl N. Morris 2178

Half course (spring term). Hours to be arranged.

Considers multi-level parametric models and their application to biostatistics, health services, education, sports, and other fields.

***Statistics 326 (formerly *Statistics 326hf). Reading and Research on Environmental Statistics**

Catalog Number: 3520

Arthur P. Dempster 2345

Half course (spring term). F., 3:30–5.

The emphasis is on statistical modeling, data analysis, and uncertain inference concerning complex space-time systems.

***Statistics 332. Topics in Missing Data**

Catalog Number: 9483

Xiao-Li Meng 4023 (on leave fall term) and Donald B. Rubin 7966

Half course (spring term). M., 2–4.

***Statistics 335. Statistical Computing Software**

Catalog Number: 5890

Mark E. Irwin 4658

Half course (fall term). Hours to be arranged.

***Statistics 392hfr (formerly Statistics 292r). Topics in Statistics**

Catalog Number: 0925

Donald B. Rubin 7966

Half course (throughout the year). Fall: Tu., 2:30–4; Spring: W., 2–3:30.

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*)
Patricia R. Chaput, Professor of the Practice of Slavic Languages
Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies
Grzegorz Ekiert, Professor of Government
Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology (*on leave 2003-04*)
George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature (*on leave fall term*)
Terry D. Martin, Associate Professor of History (*on leave 2003-04*)

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.

Courses of Interest

[Comparative Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course]

[*Government 1203 (formerly Government 2203). Political Transitions in East Central Europe]

[History 1512. 20th-Century Ukraine](#)

[History 1516. Nation Formation in East Europe, 1795-1921: Poland, Russia, Ukraine](#)

[Linguistics 250. Old Church Slavonic]

[Slavic Ga. Beginning Ukrainian I](#)

[Slavic Gb. Beginning Ukrainian II](#)

[*Slavic Gr. Supervised Readings in Intermediate/Advanced Ukrainian](#)

[Slavic 125. Modern Russian in Historical Perspective]

[Slavic 165. Survey of 19th-Century Ukrainian Literature](#)

[Slavic 201. Introduction to East Slavic Languages]

[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*)

Lelia Amalfitano, Visiting Lecturer on Visual and Environmental Studies, Associate of the Department of Visual and Environmental Studies (*spring term only*)

Frank Breuer, Visiting Lecturer on Visual and Environmental Studies

Giuliana Bruno, Professor of Visual and Environmental Studies

Thomas Butter, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Elinor Carucci, Visiting Lecturer on Visual and Environmental Studies

George Condo, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

J. D. Connor, Assistant Professor of Visual and Environmental Studies and of English and American Literature and Language

Gail Deery, Visiting Lecturer on Visual and Environmental Studies

Joan Fontcuberta, Visiting Lecturer on Visual and Environmental Studies, Associate of the



Department of Visual and Environmental Studies (*fall term only*)

Alfred F. Guzzetti, Osgood Hooker Professor of Visual Arts

Hal Hartley, Visiting Lecturer on Visual and Environmental Studies

Bruce Jenkins, Curator of the Harvard Film Archive and Senior Lecturer on Visual and Environmental Studies, Senior Lecturer on Visual and Environmental Studies

Isaac Julien (*spring term only*)

Despina Kakoudaki, Assistant Professor of Visual and Environmental Studies and of Comparative Literature (*on leave 2003-04*)

Chris Killip, Professor of Visual and Environmental Studies (*on leave spring term*)

Annette Lemieux, Professor of the Practice of Visual and Environmental Studies

Julian Lethbridge, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Ross S. McElwee, Associate of the Department of Visual and Environmental Studies, Professor of the Practice of Filmmaking (*fall term only*)

Elvis Mitchell, Visiting Lecturer on African and African American Studies and on Visual and Environmental Studies (*spring term only*)

Nancy Mitchnick, Rudolf Arnheim Lecturer on Studio Arts

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking

Michaela Pavlatova, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Yvonne Rainer, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)

Elaine E. Reichek, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

David Rodowick, Visiting Professor of Visual and Environmental Studies (*King's College, London*) (*fall term only*)

John R. Stilgoe, Robert and Lois Orchard Professor in the History of Landscape Development

Paul Stopforth, Lecturer on Visual and Environmental Studies (*Head Tutor*)

Patrick Strzelec, Rudolf Arnheim Lecturer on Studio Arts

Steven Subotnick, Visiting Lecturer on Visual and Environmental Studies

Elisabeth Subrin, Visiting Lecturer on Visual and Environmental Studies

Lucien G. Taylor,

Muriel Waldvogel, Visiting Lecturer on Visual and Environmental Studies

Susan Williams, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)

Other Faculty Offering Instruction in the Department of Visual and Environmental Studies

John Beardsley, Senior Lecturer in Landscape Architecture (*Design School*) (*spring term only*)

Miroslava M. Benes, Senior Lecturer in the History of Landscape Architecture (*Design School*) (*fall term only*)

Jeffrey Huang, Associate Professor of Architecture (*Design School*)

Antoine Picon, Professor of the History of Architecture and Technology (*Design School*) (*spring term only*)

Eric Rentschler, Professor of German (*fall term only*) (*on leave 2004-05*)

The Department of Visual and Environmental Studies offers two broad kinds of instruction: studio courses in artmaking (including drawing, painting, sculpture, printmaking, mixed media, photography, film, video, and animation) and lecture and discussion courses in the history, theory and criticism of the arts, film studies, visuality, space and the built environment. Studio courses are normally limited to ten or twelve students. Some seminars and lectures are also



limited in enrollment.

Ordinarily, lower-numbered studio courses precede higher-numbered studio courses in level of difficulty. Within the concentration, the various disciplines are represented by a structure of number groupings. 10s and 110s represent drawing as well as printmaking; 20s and 120s represent painting; 30s and 130s represent sculpture as well as conceptual practice; 40s and 140s represent photography; 50s and 150s represent film, video, and animation studio courses. Environmental Studies are represented by other numbers in the 100s (generally architecture and the built environment) and the 160s (landscape and additional topics in environmental, visual, and spatial studies). Additional courses in film studies, critical theory, visual and spatial history and theory are represented by course numbers 170-199.

Because so many courses in the department are taken under close faculty supervision, VES has no formal tutorial program, though in exceptional circumstances, independent studio work or research may be carried out under individual faculty supervision. All such tutorials require the approval of a non-visiting faculty member as well as the Head Tutor and are represented by VES 97r (for sophomores), VES 98r (for juniors), VES 99 (for seniors) and VES 91r (for others). A senior concentrator whose focus is in the studio arts or photography and is concurrently undertaking thesis work is strongly encouraged to take VES 90s (in addition to VES 99). Senior tutorials in the studio arts, photography, as well as film, video, or animation are always represented by VES 99, normally a full-year course but may be divided if necessary. A junior concentrator whose focus is the studio arts or photography and will be considering a senior tutorial is strongly encouraged to take VES 90j in the Junior year.

In addition to courses in the field of Environmental Studies, there are several courses on architecture, landscape, and the built environment jointly listed with the Graduate School of Design (GSD). Additional courses and modules in these topics are also offered directly through the Design School. Students may cross-register for such courses, and VES concentrators may petition the Head Tutor for such courses or modules to be counted toward concentration credit. Please keep in mind that the Design School may have a slightly different term calendar than the Faculty of Arts & Sciences, when planning for cross-registering or enrolling in jointly offered courses.

Tutorials, Projects, and Research

Tutorial proposals will be considered by the Office of the Head Tutor only upon written permission of the project adviser and if the material to be covered is substantially different from other departmental offerings.

***Visual and Environmental Studies 90j. Context and Critique: Junior Seminar**

Catalog Number: 5751

Lelia Amalfitano

Half course (spring term). Th., 4–6. EXAM GROUP: 18

An examination of what is currently being produced in today's art world, including contemporary theoretical concerns as well as the practice of art, in order to help to develop the essential understanding necessary for students to pursue independent work in the senior year. Students will be encouraged to develop a coherent focus generated from a clear understanding of



their own practice. Critique of current student work will be an integral part.

Note: Strongly recommended for VES concentrators in their Junior year who are focusing on the studio arts or photography and who are considering thesis work in the Senior year. Limited to Junior VES concentrators but open to others with the permission of the instructor.

***Visual and Environmental Studies 90s. Context and Critique: Senior Seminar**

Catalog Number: 5502

Annette Lemieux

Half course (fall term). Th., 6–8 p.m. EXAM GROUP: 18

Through group critiques this class will focus on the student's independent work in the Senior year. Current contemporary art being produced in today's art world will be presented via slides, videos, related writings, and informal discussions.

Note: Strongly recommended for VES concentrators in their Senior year who are focusing on the studio arts or photography and who are undertaking thesis work. Limited to Senior VES concentrators but open to others with the permission of the instructor.

***Visual and Environmental Studies 91r. Supervised Studio Work, Special Projects, Reading and Research**

Catalog Number: 9183

Paul Stopforth 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. Students wishing to enroll in VES 91r must petition the Head Tutor for approval, stating the proposed project and must have the permission of the proposed project tutor. Not to be taken with visiting faculty in residence for one term.

Note: Letter-graded only.

***Visual and Environmental Studies 97r. Tutorial — Sophomore Year**

Catalog Number: 0450

Paul Stopforth 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. Students wishing to take a tutorial in their Sophomore year must petition the Head Tutor for approval stating the proposed project and must have the permission of the proposed project tutor. Not to be taken with visiting faculty in residence for one term.

Note: Letter-graded only.

***Visual and Environmental Studies 98r. Tutorial — Junior Year**

Catalog Number: 1411

Paul Stopforth 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. Students wishing to take a tutorial in their Junior year must petition the Head Tutor for approval stating the proposed project and must have the permission of the proposed project tutor. Not to be taken with visiting faculty in residence for one term.

Note: Letter-graded only.



***Visual and Environmental Studies 99. Tutorial — Senior Year**

Catalog Number: 5141

Paul Stopforth and members of the Department

Full course. Hours to be arranged.

The Head Tutor must approve all VES 99 projects, stating the proposed project and must have permission of the proposed project tutor before being considered.

Note: Letter-graded only. It is strongly recommended that students enrolling in the Senior Tutorial and undertaking projects in the studio arts or photography take VES 90s concurrently.

Studio Arts

***Visual and Environmental Studies 3 (formerly Visual and Environmental Studies 3aar). Three-Dimensional Artmaking: Introductory Studio Course**

Catalog Number: 5786 Enrollment: Limited to 12.

Patrick Strzelec

Half course (fall term; repeated spring term). Fall: Tu., Th., 1–4; Spring: Tu., 6–9, Th., 1–4.

EXAM GROUP: 15, 16

Students work with an assortment of tools, techniques, and materials to solve specific three-dimensional problems and basic sculpture concerns. The course is based on spatial thinking that deals with point, line, plane, mass, balance, and form.

***Visual and Environmental Studies 10. Fundamentals of Drawing: Materials and Methods: Introductory Studio Course**

Catalog Number: 6945 Enrollment: Limited to 15.

Paul Stopforth

Half course (fall term; repeated spring term). M., W., 1–4. EXAM GROUP: 6, 7

Using a wide variety of graphic media, we explore possibilities and develop responses in the process of drawing. A diverse range of sources and objects function as the basis for much of our work, in which observation, structural principles, and expressive procedures are formulated in the making of drawings.

[*Visual and Environmental Studies 11. Fundamentals of Figure Drawing: Introductory Studio Course]

Catalog Number: 6625 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (fall term). Hours to be arranged.

A course on drawing the body that includes many traditional approaches to figure drawing as well as an exploration of theoretical issues. Students will work primarily from life and study basic principles of anatomy working with historical images as well as anatomy texts. Studio work will include finished drawings from observing the model as well as studies from photographs, reproductions of art, memory, and imagination.

Note: Expected to be given in 2004–05.

***Visual and Environmental Studies 12r. Drawing for Painting: Introductory Studio Course**

Catalog Number: 2792 Enrollment: Limited to 12.

Nancy Mitchnick



Half course (fall term). Tu., Th., 1–4. EXAM GROUP: 15, 16

This drawing course is designed to develop a conscious use of space in drawing with the objective of preparing students to perceive and control the structures of painting. The subjects are bodies, cities, objects, and memory, among others. Studio work, slide talks, lectures, and critique form our basis. The materials used include charcoal, ink washes, pencil, pastels, acrylic paints; and the support will always be paper.

Note: Expected to be omitted in 2004–05.

***Visual and Environmental Studies 15r. Artists Books: Printmaking and Text in the Book Format: Introductory Studio Course**

Catalog Number: 6847 Enrollment: Limited to 12.

Gail Deery

Half course (fall term). Th., 1–5:30. EXAM GROUP: 15, 16

Words and images are composed for an artists book, whether the author uses a pencil, typewriter or a computer. Using printmaking processes for imagery and text, we cover the history, design, and execution involved in creating an artists book. Hands-on demonstrations of book structures and relief printmaking are reviewed. An ideal course for the artist/poet/writer who is interested in producing books in fine art, limited edition format.

Note: No previous printmaking experience required.

***Visual and Environmental Studies 17r. Computer-Assisted Printmaking: Introductory Studio Course**

Catalog Number: 4460 Enrollment: Limited to 12.

Gail Deery

Half course (spring term). Th., 1–5:30. EXAM GROUP: 15, 16, 17

An exploration of digital concepts using printmaking. The computer is used as a tool to collage ideas from various sources. Using a scanner and the computer, methods of painting, drawing, and video can be translated onto film and exposed onto printing plates. The term is devoted to demonstrations on the computer, lectures, and lab class time to developing images and learning how to print.

Note: No previous printmaking experience is required but some knowledge of *Adobe Photoshop* preferred.

[*Visual and Environmental Studies 20r. Fundamentals of Painting: Introductory Studio Course]

Catalog Number: 3732 Enrollment: Limited to 12.

Half course (spring term). Hours to be arranged.

Approaches painting as a complex process with clear areas of practice and investigation. Individual approaches are informed by historical art and contemporary issues. Students learn to build stretchers and stretch canvas, to organize a palette, and to approach the scale and surface of a painting consciously.

Note: Expected to be given in 2004–05.

***Visual and Environmental Studies 21r. Fundamentals of Painting: Color Concepts: Introductory Studio Course**



Catalog Number: 4787 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (fall term). M., 1–5 and 6–8:30 p.m. EXAM GROUP: 6, 7

The study of color our emphasis. We approach painting as a complex process with clear areas of practice and investigation. Individual approaches are informed by historical art and contemporary issues. Students learn to build stretchers and stretch canvas, to organize a palette, and to approach the scale and surface of a painting consciously. Understanding representation in terms of abstract principles is the base of the discourse

***Visual and Environmental Studies 22r. Fundamentals of Painting: Painting Space: Introductory Studio Course**

Catalog Number: 8224 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (spring term). M., 1–5 and 6–8:30 p.m. EXAM GROUP: 6, 7

A study of how the space of painting is invented and experienced. We will approach painting as a complex process with clear areas of practice and investigation. Individual approaches will be informed by historical art and contemporary issues. Students will learn to build stretchers and stretch canvas, to organize a palette, and to approach the scale and surface of a painting consciously.

Note: Expected to be omitted in 2004–05.

***Visual and Environmental Studies 30r. Fundamentals of Sculpture: Introductory Studio Course**

Catalog Number: 4896 Enrollment: Limited to 12.

Patrick Strzelec

Half course (fall term; repeated spring term). W., 1–4 and 6–9 p.m. EXAM GROUP: 6, 7

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 35r. Alternative Histories and Materials: Introductory Conceptual Practice Studio Course**

Catalog Number: 3535 Enrollment: Limited to 12.

Elaine E. Reichek

Half course (spring term). M., 6–9 p.m., Tu., 1–4. EXAM GROUP: 9, 15

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 focus on alternative narratives and practices in historical and contemporary context, with a particular emphasis on the students' own histories and ideas.

***Visual and Environmental Studies 60r. Digital Expression: Studio Course**

Catalog Number: 7926 Enrollment: Limited to 12.

Jeffrey Huang (Design School) and Muriel Waldvogel

Half course (fall term). F., at 11 and 1–4. EXAM GROUP: 4, 6



Introduces the student to digital media principles, techniques and theories through a series of expressive exercises. We explore online visual narratives and interactive interfaces as a means for digital expression. With a strong emphasis on the interactive character of digital media, we construct a basic vocabulary for future projects in digital media. The course culminates in the development of an interactive installation as a final project.

Prerequisite: At least one VES half-course or permission of the instructor.

***Visual and Environmental Studies 61r. Physical Computing: Intermediate Studio Course**

Catalog Number: 4096 Enrollment: Limited to 12.

Jeffrey Huang (Design School) and Muriel Waldvogel

Half course (spring term). F., at 11 and 1–4. EXAM GROUP: 4, 6

Provides the student with an applied understanding of digital narratives and making of physical computing projects. We look into the various dimensions of interactive experiencing, and explore non-linear 2D and 3D narratives, use of the senses of the body in digital media, articulation of ideas through spatial instruments, mobile interfaces, and sensors embedded in physical matter.

Prerequisite: VES 60r or comparable knowledge of digital media (permission of instructors required).

***Visual and Environmental Studies 110r. Independent Directions in Drawing: Intermediate Studio Course**

Catalog Number: 1012 Enrollment: Limited to 12.

Paul Stopforth

Half course (fall term). Tu., Th., 1–4. EXAM GROUP: 15, 16

Particular identities, ideas, and approaches that begin to be formulated and explored at the conclusion of Fundamentals of Drawing, function as the basis in developing these possibilities further. The course provides the opportunity to continue to establish and extend the practice of drawing as an independent and complex means of expression.

Prerequisite: At least one VES half-course in drawing, or permission of the instructor (portfolio presentation).

***Visual and Environmental Studies 112r. Giving Form to Impulse: Intermediate/Advanced Drawing/Painting Studio Course**

Catalog Number: 8436 Enrollment: Limited to 12.

Julian Lethbridge

Half course (spring term). W., 1–5 and 6–8 p.m. EXAM GROUP: 6, 7

Different means of giving form to ideas and impulses, the mutability of an idea from one medium to another and the altered meanings that may emerge, will be explored within studio practice emphasizing painting. Class time includes assigned readings, examination of diverse contemporary artists, but class critiques and discussion will predominate. Course is directed towards acquiring practical skills and self-awareness, and to function as a forum of experimentation from which everyone learns from one another.

Prerequisite: At least one VES half-course in drawing or painting, or permission of the instructor.



***Visual and Environmental Studies 120r. The Process of Painting: Subjective and Intuitive: Intermediate Studio Course**

Catalog Number: 7893 Enrollment: Limited to 12.

Susan Williams

Half course (fall term). W., 6–8 p.m., Th., 1–5. EXAM GROUP: 9, 15

Painting is being reinvented all the time. There is a resurgence of abstraction AND content-driven realism. We will look at slides of current painting, focus on the reconstruction of the artist's process, and learn to look critically while becoming aware of the possibilities. The emphasis of the class will, however, always be on the actual painting, whether representational or computer-generated conceptual abstraction. We'll use projectors as well as make our own paint from raw pigments.

Prerequisite: At least one VES half-course in painting or the permission of the instructor.

[*Visual and Environmental Studies 121r. Intermediate Painting: Intermediate Studio Course]

Catalog Number: 2478 Enrollment: Limited to 12.

Half course (spring term). Hours to be arranged.

Explores more complex processes of the medium for students ready to begin a more independent mode of working. While still addressing important foundation principles, the class expands on the particular properties of paint as a material as well as the conceptual possibilities of the painted image. Investigates more advanced painting concepts and finding more sophisticated ways to express both formal and abstract issues. There will be individual and group discussion of the work completed and occasional slide presentations.

Note: Expected to be given in 2004–05.

Prerequisite: At least one VES half-course in painting or permission of the instructor.

***Visual and Environmental Studies 125r. Painting Memory: Intermediate/Advanced Studio Course**

Catalog Number: 1170 Enrollment: Limited to 12.

George Condo

Half course (spring term). Tu., 6–9 p.m., W., 1–4. EXAM GROUP: 6, 7, 8

We focus on the concept of memory to develop a spontaneous approach to painting. We examine the individual student's needs through hands-on studio experience. This includes sketching, drawing, preparatory and finished canvases. In order to complete a number of paintings, students will focus on memory as the basis for subject matter. Analysis of stylistic, compositional, and aesthetic issues related to the individual painting's potential context in contemporary art are discussed.

Prerequisite: At least two half-courses in painting, or permission of the instructor.

***Visual and Environmental Studies 130r. Idea into Form: Intermediate/Advanced Sculpture Studio Course**

Catalog Number: 7882 Enrollment: Limited to 12.

Thomas Butter

Half course (spring term). M., 6–9 p.m., Tu., 1–4. EXAM GROUP: 9, 15

Sculpture offers the extraordinary opportunity to represent thought visually in physical three-



dimensional space. Operating in an expanded field, as Robert Morris wrote “(on) a continuum between monument and ornament”, sculpture can employ literally any material or media, borrowing from disciplines ranging from architecture to theatre, physics to psychoanalysis. With this assumption, students are responsible for developing a philosophically clear line of thought over a specified number of projects.

Prerequisite: At least one VES studio half-course in three-dimensional artmaking or sculpture, or permission of the instructor.

***Visual and Environmental Studies 135r. Building Thought: Intermediate/Advanced Conceptual Practice Studio Course**

Catalog Number: 3398 Enrollment: Limited to 12.

Annette Lemieux

Half course (fall term). M., W., 6–9 p.m. EXAM GROUP: 9

Using a variety of materials and methods, students will build and create art-works that reflect their ideas, with an emphasis and understanding of the language of images, materials, forms, actions, and presentation. Via slides, videos, related readings, and informal discussions students will be introduced to the concerns of conceptual artists of the 20th century to the present.

Prerequisite: At least one VES studio half-course.

Photography

***Visual and Environmental Studies 40a (formerly *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

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2004–05.

Prerequisite: VES 40a or equivalent preparation (portfolio presentation).

***Visual and Environmental Studies 140r (formerly *Visual and Environmental Studies 140ar). Color Photography: Studio Course**

Catalog Number: 0842 Enrollment: Limited to 12.

Frank Breuer

Half course (fall term). Tu., Th., 8:30–11:30. EXAM GROUP: 10, 11



A comprehensive introduction to photographing in color. The emphasis of 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 also be included.

Prerequisite: VES 40a or VES 40b or equivalent preparation (portfolio presentation).

[*Visual and Environmental Studies 141r. Documentary Photography: Studio Course]

Catalog Number: 4646 Enrollment: Limited to 12.

Half course (fall term). Hours to be arranged.

Students will work on a documentary photography project of their own, choosing accessible environs. The aim is to assemble and sequence a body of work that reveals something about the subject and about the photographer. Classes will evaluate student work as well as examine the history of documentary photography through lectures, books, and films. Students should have a clear idea for a project on the first day of class.

Note: Expected to be given in 2004–05.

Prerequisite: VES 40a or VES 40b or equivalent preparation (portfolio presentation).

***Visual and Environmental Studies 143r. The Photographer as Auteur: Studio Course**

Catalog Number: 2835 Enrollment: Limited to 12.

Frank Breuer

Half course (spring term). Tu., Th., 1–4. EXAM GROUP: 15, 16, 17

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 40a or VES 40b or equivalent preparation (portfolio presentation).

[*Visual and Environmental Studies 144r (formerly Visual and Environmental Studies 144br). A History of Photography: The 20th Century and Beyond]

Catalog Number: 6161

Half course (spring term). Hours to be arranged.

A general survey of photographic practice from the inception of the medium through to 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 and 21st century phenomenon.

Note: Expected to be given in 2004–05. Although all students will be required to do visually based projects in addition to papers this class is intended for a university-wide audience.

***Visual and Environmental Studies 145r. Photography Now: Seminar/Workshop**

Catalog Number: 9355 Enrollment: Limited to 12.

Frank Breuer

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



An in-depth study of contemporary photographic practice with a special emphasis on German Contemporary Photography (the Düsseldorf School and its followers). Each student is expected to undertake a major photographic project.

Prerequisite: VES 40a or VES 40b or equivalent preparation (portfolio presentation).

***Visual and Environmental Studies 146r. The Photographic Portrait: Studio Course**

Catalog Number: 5743 Enrollment: Limited to 12.

Elinor Carucci

Half course (spring term). Tu., 6–9; W., 1–4. EXAM GROUP: 6, 7, 8

An examination of the practical, sociological, historical, and aesthetic issues surrounding portrait photography in parallel with the active participation of each student in his/her own photographic project.

Prerequisite: VES 40a or VES 40b or equivalent preparation (portfolio presentation).

***Visual and Environmental Studies 147r. Conceptual Strategies in Photography: Studio Course**

Catalog Number: 2011 Enrollment: Limited to 12.

Joan Fontcuberta

Half course (fall term). Tu., Th., 1–4. EXAM GROUP: 15, 16, 17

There has been a shift from the traditional notion of art work to the idea of art project. The art project could be understood as a concept structured in a constellation of different but independent elements, in which the author is able to master not only the implicit creative aspects but also a certain social dimension. We deal with the sequential steps of a photography project: creative conception, documentation, practical realization, and critical evaluation.

Note: Students should propose their own project which can span a wide range of domains and supports (a book dummy, a slide show, a gallery exhibition, an installation lay-out, a net-art piece, etc.)

Prerequisite: VES 40a or VES 40b or equivalent preparation (portfolio presentation).

***Visual and Environmental Studies 148r. Photofictions: Seminar/Workshop**

Catalog Number: 2429 Enrollment: Limited to 12.

Joan Fontcuberta

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Debates the notion of truth in photography and the discredit of hegemonic documentary models. Issues such as credibility, veracity, and authenticity related to visual information examined from the points of view of ethics and semiotics. Surveys historic and contemporary photographers whose work has questioned documentary approaches from epistemological or political perspectives. Special focus on “mockumentary” as ironical attitude in both film and still photography, and on the impact of digital media onto collective consciences.

Note: Students present a final study paper or project.

Prerequisite: VES 40a or VES 40b or equivalent preparation (portfolio presentation).

Film/Video Production

***Visual and Environmental Studies 50. Fundamentals of Filmmaking: Studio Course**

Catalog Number: 4907 Enrollment: Limited to 20.



Robb Moss and Alfred F. Guzzetti

Full course. M., 1–4, W., 1–5; or Tu., 1–4, 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 51a. Fundamentals of Video: Introductory Studio Course**

Catalog Number: 7526 Enrollment: Limited to 10.

Robb Moss

Half course (fall term; repeated spring term). M., W., 1–4. First class meetings will be 2/4 at 3.

EXAM GROUP: 6, 7, 8

Working alone and in small groups, students will make a series of videotapes that explore work, intimacy, and spectacle. Class time revolves around technical demonstrations, screenings, and critiques of each other's work.

Note: Enrollment limited by interview.

***Visual and Environmental Studies 51br. Nonfiction Video Projects: Intermediate Studio Course**

Catalog Number: 3838 Enrollment: Limited to 10.

Ross S. McElwee

Half course (fall term). Tu., Th., 1–4. . EXAM GROUP: 15, 16

Continuation of VES 51a but may be taken separately with permission of the instructor. Each student plans, shoots, and edits a documentary video of his or her design. Readings and screenings 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 to be completed in the course.

Prerequisite: VES 51a, or another course in live-action film or video.

***Visual and Environmental Studies 52r. Experimental Strategies in Video: Introductory Studio Course**

Catalog Number: 0574 Enrollment: Limited to 10.

Elisabeth Subrin

Half course (spring term). M., 6–9 p.m., Tu., 8:30–11:30. EXAM GROUP: 9, 10, 11

An introduction to small-format video production. Experimentation and process emphasized in collaborative exercises, workshops, and individual projects. Through close examinations of contemporary video art and practices, we work across and beyond “documentary”, “narrative”, and “experimental” categories towards hybrid forms and strategies.

***Visual and Environmental Studies 53a. Fundamentals of Animation: Introductory Studio Course**

Catalog Number: 1360 Enrollment: Limited to 10.

Michaela Pavlatova (spring term) and Steven Subotnick (fall term)

Half course (fall term; repeated spring term). Fall: M., 1–5; Screenings: F., 1–3; Spring: Tu., 1–5, Screenings: F., 1–3. EXAM GROUP: Fall: 6, 7, 8; Spring: 15, 16, 17

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.

Note: Drawing skills are not necessary for the fall course; basic drawing skills may be helpful for the spring course.

***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). Tu., Th., 1–4. EXAM GROUP: 15, 16

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 59r. Interactive Animation: Introductory Studio Course**

Catalog Number: 3667 Enrollment: Limited to 10.

Steven Subotnick

Half course (spring term). M., 1–5; Screenings: F., 1–3. EXAM GROUP: 6, 7

Introduces basic interactive and non-linear approaches to animation through a series of exercises. Emphasis is placed on concept and design as we explore a variety of approaches to the interactive medium. A list of readings, web sites, and discussions provide a wider context of understanding. Students complete final projects of their own design.

Note: No prior experience with interactive media is required.

***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

Technical training in 16mm film production and sound recording, including editing and preparation for sound mix. Students will write scripts for their spring term film.

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). M., W., 1–4. EXAM GROUP: 6, 7

Students will prepare, shoot, and edit a short film (8 to 10 minutes) based on a script developed in the fall term.

Prerequisite: VES 150ar.

***Visual and Environmental Studies 151r. Approaches to Media-Based Performance: Intermediate Studio Course**

Catalog Number: 2633 Enrollment: Limited to 12.

Yvonne Rainer



Half course (fall term). Tu., 6–9 p.m., W., 1–5 p.m. EXAM GROUP: 6, 7

Using body and voice we attempt to extrapolate performative, visual, and graphic elements from film/video screenings and readings informed by post-structural feminism, queer and post-colonial theory, as well as from daily life, autobiography, the news, and interactions between participants in the course itself. Participants are expected to engage as readers, writers, performers, videographers, spectators, editors of each others' contributions, and creative consultants.

Prerequisite: One VES half-course in video production.

[*Visual and Environmental Studies 152r. The Post-Cinematic in Video Art: Intermediate Studio Course]

Catalog Number: 8012 Enrollment: Limited to 12.

Isaac Julien

Half course (spring term). Hours to be arranged.

The influence of cinema is everywhere in contemporary art practice with the advent of new digital technologies producing new spectators, new ways of seeing. We 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. We will explore the nexus between these different developments and practices of what can be termed the post-cinematic in video culture.

Note: Expected to be given in 2004–05.

Prerequisite: At least one course in video production and in film theory.

***Visual and Environmental Studies 153ar (formerly *Visual and Environmental Studies 156ar). Intermediate Animation: 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

Building on basic knowledge gained in Fundamentals of Animation, each student will produce a single animation project. Our study also includes more advanced animation techniques and exercises with emphasis on storyboarding, timing, and sound design. Screenings and discussions play an important role.

Prerequisite: At least one VES half-course in animation.

***Visual and Environmental Studies 153br (formerly *Visual and Environmental Studies 156br). Intermediate Animation: Intermediate Studio Course**

Catalog Number: 3477 Enrollment: Limited to 10.

Steven Subotnick

Half course (spring term). W., 1–5, Screenings: F., 1–3. EXAM GROUP: 6, 7

A continuation of VES 153ar.

Prerequisite: VES 153ar or another VES half-course in animation.

***Visual and Environmental Studies 154r (formerly *Visual and Environmental Studies 156cr). Animation Workshop**

Catalog Number: 5240 Enrollment: Limited to 10.

Michaela Pavlatova



Half course (spring term). Th., 1–5, Screenings: F., 1–3. EXAM GROUP: 15, 16, 17

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: At least one VES half-course in animation.

***Visual and Environmental Studies 155r. Directing Actors for the Camera: Intermediate Studio Course**

Catalog Number: 1844 Enrollment: Limited to 12.

Hal Hartley

Half course (fall term; repeated spring term). Tu., 1–4. EXAM GROUP: 15, 16

A studio course to introduce students to the skills associated with collaborating with actors. Students will make a short dramatic video (one scene) from a script they have selected. They will audition actors, cast, and shoot the scene in different ways throughout the term.

Note: Primarily intended for VES concentrators whose focus is film/video.

Prerequisite: VES 150, or permission of the instructor.

Film Studies

[Visual and Environmental Studies 170a (formerly Literature 107). Introduction to the Study of Film]

Catalog Number: 4249

Despina Kakoudaki

Half course (spring term). Hours to be arranged.

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, Stanley Kubrick, and others.

Note: Expected to be given in 2004–05.

Visual and Environmental Studies 171x. Cinema of the Sound Era

Catalog Number: 6997

J. D. Connor

Half course (spring term). M., W., at 11; Screenings: Tu., 4-6. EXAM GROUP: 4

An introductory course in the history of the sound film covering major transformations (technological, industrial, social, narrative, political and identitarian) and landmark films from the advent of synchronized dialogue to the end of the classical studio era. Examples from directors such as Berkeley, Chaplin, Clair, Curitz, De Sica, Ford, Kurosawa, Godard, Hawks, Hitchcock, Huston, Lang, Ozu, Riefenstahl, Tati, Welles.

Visual and Environmental Studies 173x. American Film Criticism

Catalog Number: 3785

Elvis Mitchell

Half course (spring term). Th., 1–4. EXAM GROUP: 15, 16, 17



Designed to acquaint those daring enough to immerse themselves in the discipline of film criticism with the rigorous thinkers—Manny Farber, Pauline Kael, Parker Tyler, Andrew Sarris—who fashioned the field as we’ve come to know it. And also a generous soaking of those writers who toiled briefly, but memorably in criticism—James Agee, James Baldwin and Graham Green—and made an impact not quite as well recognized but certainly noteworthy.

[*Visual and Environmental Studies 176x (formerly *Literature 117). Studies in Film Genre: Melodrama]

Catalog Number: 8770 Enrollment: Limited to 40.

Despina Kakoudaki

Half course (spring term). Hours to be arranged.

In this class we will develop a historical and theoretical framework for studying melodrama. We will start from the evolution of early film melodrama and its relationship to popular theater, and trace the generic conventions of the mode as they change through the century: in silent melodramas, classical Hollywood formulas and “women’s movies,” and contemporary revisions—often in surprising places (for example in action and disaster films). No background in film history or theory required.

Note: Expected to be given in 2004–05. No background in film history or theory required.

***Visual and Environmental Studies 180 (formerly *Visual and Environmental Studies 154ar). 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., 7-9 p.m.; weekly sections to be arranged.

EXAM GROUP: 9, 12, 13

This introduction to film history looks at major 20th century ideas on film, art, and perception. It examines film in relation to cultural changes in our experience of visual space and follows the evolution of film as a technique of observation. The selected films engage aspects of culture theory including home(land), cityscape, voyage, and socio-sexual space.

Note: Recommended as preparation for VES 182 and VES 183 or 185. Offered jointly with the Graduate School of Design as 4131.

***Visual and Environmental Studies 181 (formerly *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., 7-9 pm; weekly sections to be arranged. EXAM GROUP: 9, 12, 13

Introduction to the language of film theory, aimed at developing analytic skills to interpret films. A historical survey that spans turn-of-the-century scientific motion studies to the emotion studies of Hugo Münsterberg, and reaches the virtual movements of our new millennium. Considers 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.

Note: Recommended as preparation for VES 182 and VES 183 or 185. Offered jointly with the Graduate School of Design as 4132.



***Visual and Environmental Studies 182 (formerly *Visual and Environmental Studies 155ar). Film Architectures: Seminar**

Catalog Number: 6864 Enrollment: Limited to 12.

Giuliana Bruno

Half course (fall term). W., 2–4; Screenings: Tu., 7-9 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 on readings and case study analysis to pursue research projects and make presentations.

Note: Active participation in seminarial endeavors is required. Ideally followed with VES 183 or VES 185. Offered jointly with the Graduate School of Design as 4351.

Prerequisite: A course in film studies or the equivalent course in cultural studies.

[*Visual and Environmental Studies 183 (formerly *Visual and Environmental Studies 155br). A Cultural Study of Film: Mapping and Fashioning Space: Seminar]

Catalog Number: 7760 Enrollment: Limited to 12.

Giuliana Bruno

Half course (spring term). Hours to be arranged.

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?

Note: Expected to be given in 2004–05. Active participation in seminarial endeavors is required. May be taken as a continuation of VES 182. Offered jointly with the Graduate School of Design as 4352.

Prerequisite: A course in film studies or the equivalent course in cultural studies.

[*Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts]

Catalog Number: 5736

Giuliana Bruno

Half course (spring term). Hours to be arranged.

How do visual representation and narrative figuration contribute to construct urban identity? Explores the urban imagination in different artforms: architecture, cinema, literature, photography, and painting. Topics to be mapped out include: cities and modernity; metrophilia and metrophobia; the museum and cultural archaeology; the ruin and the construction site; interior space and public sphere; technology and virtual cities. The montage of imaginary cities traverses aspects of Paris, Tokyo, Berlin, Moscow, Rome, St. Petersburg, New York, Naples, Shanghai, and Hong Kong.

Note: Expected to be given in 2004–05.

***Visual and Environmental Studies 185x. Texture Analysis: Fashion and Film: Seminar**

Catalog Number: 1575 Enrollment: Limited to 12.

Giuliana Bruno



Half course (spring term). W., 2–4, Screenings: Tu., 7–9 p.m. EXAM GROUP: 7, 8

Film and fashion are powerful image-makers and prime agents of visual culture, sharing roles in conveying identity, commanding identification, creating narratives, and shaping visual trends. Seminar explores their common language and looks at the culture of fashion, considering both fashion and film as cultural “fabric.” Explores, in particular, the current intersection of fashion with contemporary visual arts. Seminar conducts a close text(ur)al analysis of *In the Mood for Love*, a film by Wong Kar-Wai.

Prerequisite: A course in film studies or the equivalent course in cultural studies.

Visual and Environmental Studies 186x. Asian-American Cinema: Configurations of Culture and Identity

Catalog Number: 7380

Lucien G. Taylor

Half course (spring term). M., W., 1–3:30. EXAM GROUP: 6, 7, 8

Examines the recent efflorescence of non-fiction cultural filmmaking by and about Asian-American diasporas, from the stylized reflexivity of Trinh Minh-ha to the reciprocal visions (and exchange of cameras) of Spencer Nakasako. Students analyze both the startling spectrum of styles exhibited in recent works and their complex relationship to the conditions of cultural and political-economic production reflected, if not always overtly depicted, in their content.

Visual and Environmental Studies 187x. New German Cinema: Oppositional Energies and Utopian Designs

Catalog Number: 1196

Eric Rentschler

Half course (fall term). M., W., at 11; Screenings: M., 4-6. EXAM GROUP: 4, 9

In 1962 twenty 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, Schlöndorf, Straub/Huillet, von Trotta, and Wenders, probing these films’ aesthetic shapes as well as their socio-political and theoretical implications.

Note: Expected to be omitted in 2004–05. No knowledge of German required. Readings, films, and discussions in English.

[Visual and Environmental Studies 188x. Italian Cinema: History, Geography, and Identity]

Catalog Number: 7416

Giuliana Bruno

Half course (spring term). Hours to be arranged.

Examines the creative impact of Italian cinema in the context of Italian culture. Begins with the aesthetic and political canons of Neorealism, considers its phenomenology and historicism, and moves from modernism to postmodernism. Films by Rossellini, Fellini, Antonioni, Visconti, Pasolini, and Bertolucci will be analyzed. Also considers the impact of women directors and the new imagination or current independent filmmakers.

Note: Expected to be given in 2004–05.



Visual and Environmental Studies 189r. (Trans)Cultural Cinema: Aesthetics, Ideology, and Cultural Difference in Nonfiction Filmmaking

Catalog Number: 9619

Lucien G. Taylor

Half course (fall term). Tu., 10–11:30; Screenings: M., Tu., 6–8 p.m. EXAM GROUP: 12, 13
Analyzes ways that nonfiction filmmakers have sought to represent and evoke culture from the turn of the 20th century to the present. Film screenings illuminate the relationship between individual subjectivity, human existence, and cultural difference. Considers problems and prospects of different modalities and traditions of filmmaking, including “ethnographic,” “indigenous,” and “diasporic.” Students will research and undertake pre-production archival research; interviews; participant observation; and even preliminary videography, sound recording, or still photography (as projects require).

[Visual and Environmental Studies 190x. A History of American Independent Film]

Catalog Number: 1121

Bruce Jenkins

Half course (spring term). Hours to be arranged.

Traces the discontinuous history of filmmakers, collectives, and movements devoted to creating a cinema outside of the studio system. These ranged from the efforts of silent-era avant-garde figures working in Hollywood and the pioneering films of African-American directors like Oscar Micheaux to the emergence of post-war experimental cinema, the emergence of the “underground movies” and the onset of an American independent feature movement fueled by the seminal work of John Cassavetes.

Note: Expected to be given in 2004–05.

Visual and Environmental Studies 191. From Cinematic to Digital Culture

Catalog Number: 4983

David Rodowick (King’s College, London)

Half course (fall term). Tu., Th., at 12; Screenings: W., at 4. EXAM GROUP: 14

Visual culture in the 20th century has been dominated by cinema as a “cultural interface”—a technological organization of space and perception, of structuring time and narrating stories—whose basis, many have argued, is a photographic ontology. In the past 20 years, however, digital technologies have begun to replace the photographic in the creation of film images. We investigate the complex and variegated relationship between cinema and new media as “cultural interfaces”.

***Visual and Environmental Studies 192. Philosophy and Film Theory: Seminar**

Catalog Number: 5659 Enrollment: Limited to 20.

David Rodowick (King’s College, London)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Contemporary film studies emerged in the 1970s from a certain conception of “theory.” Since the mid-1990s, diverse challenges to this idea of theory have emerged, including cognitivism, analytic philosophy, Wittgenstein’s late philosophy, and the philosophy of Gilles Deleuze, each of which opposes theory to a certain idea of philosophy. We discuss these debates and evaluate their arguments for and against “theory” in film and cultural studies.



Visual and Environmental Studies 193. History of Video Art

Catalog Number: 0569

Elisabeth Subrin

Half course (fall term). Tu., 11:30–1; Screenings: M., 4-6. EXAM GROUP: 9, 13, 14

Survey of the past thirty years of artist and filmmaker explorations into electronic media art. Examining cultural and theoretical influences and visual strategies, the course will trace the history of video art through selected screenings, critical writing, visiting artists/critics/performers (Leah Gilliam, Rachel Greene, Seth Price, Tracy and the Plastics, Christopher Wilcha) and student presentations. We will also look at relationships between video and television, video and the art world, and the impact of the Internet.

***Visual and Environmental Studies 195. The Contemporary Hollywood Cinema**

Catalog Number: 5982 Enrollment: Limited to 40.

J. D. Connor

Half course (fall term). M., W., at 12; Screenings: Tu., 4-6, and weekly sections to be arranged. EXAM GROUP: 5

After surveying the landscape of dead Hollywood (the early sixties), the course examines several potential industrial saviors—auteurism, blaxploitation, pornography, allegory, television, the blockbuster, agents, studios, videotape, the international market—and concludes with a look at the reintegrated mediascape of the present.

Prerequisite: A course in film studies.

Environmental Studies

***Visual and Environmental Studies 107. Studies of the Built North American Environment since 1580**

Catalog Number: 7883

John R. Stilgoe

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

North America as an evolving visual environment is analyzed as a systems concatenation involving such constituent elements as farms, small towns, shopping malls, highways, suburbs, and as depicted in fiction, poetry, cartography, television, cinema, and advertising and cybernetic simulation.

Note: Offered jointly with the Graduate School of Design as 4105.

Visual and Environmental Studies 108. Architectural History: Romanticism through Modernism

Catalog Number: 5930

Antoine Picon (Design School) and staff

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The first half of the term charts the emergence of rationalism and neo-classicism, as well as the impact of the industrialization, professionalization, and institutionalization of architecture and urbanism. The second half focuses on modernism - its codification, representation, and dissemination - and emphasizes its multiple political, social, and cultural dimensions.

Note: Offered jointly with the Graduate School of Design as 4203-M3 and 4204-M4.



Visual and Environmental Studies 160. Modernization in the Visual United States Environment, 1890-2035

Catalog Number: 6668

John R. Stilgoe

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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: Offered jointly with the Graduate School of Design as 4303.

Prerequisite: VES 107 or permission of the instructor.

Visual and Environmental Studies 164. History of Landscape Architecture: Antiquity to 1800

Catalog Number: 0960

Miroslava M. Benes (Design School)

Half course (fall term). M., W., 10:30–12. EXAM GROUP: 3, 4

Surveys the history of gardens and landscape design primarily in the Western world and the beginning of the modern profession of landscape architecture. For each society and culture considered, the course seeks to set forth the relations found among designed forms, the determining political and economic structures, and parallel artifacts and activities such as cartography, landscape painting, and urbanism. Particular attention is paid to changes in territorial organization around urban centers, from feudal to capitalist societies.

Note: Offered jointly with the Graduate School of Design as 4109.

***Visual and Environmental Studies 166. North American Seacoasts and Landscapes, Discovery to Present: Seminar**

Catalog Number: 5873

John R. Stilgoe

Half course (fall term). Tu., 1–3 and an hour to be arranged. EXAM GROUP: 15, 16

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: Offered jointly with the Graduate School of Design as 4304.

Prerequisite: VES 107 and VES 160, or permission of the instructor.

***Visual and Environmental Studies 167. Adventure and Fantasy Simulation, 1871-2036: Seminar**

Catalog Number: 4902

John R. Stilgoe

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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: 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 168 (formerly 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). Hours to be arranged.

Practice, according to Garrett Eckbo, is “knowing how to do something; theory is knowing why.” We 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 the discipline’s larger theoretical cultural contexts. Within this broad framework, we examine a series of topics, including, the quest for a modern language for landscape architecture in the 1950s and 1960s.

Note: Offered jointly with the Graduate School of Design as 3102.

Cross-listed Courses for VES Concentrators

Afro-American Studies 166. Contemporary African-American Visual Culture: Proseminar

Afro-American Studies 181. Image of the Black in Western Art

Afro-American Studies 183. The African-American Experience in Film: 1930-1970

[Afro-American Studies 187y. Black Cinema as Genre: From Blaxploitation to Diaspora Cinema: Seminar]

[Anthropology 120. Anthropology, Cultural Studies, and Film]

Chinese Literature 130. Screening Modern China: Chinese Film and Culture

[Comparative Literature 158. Turning the Century: Culture, Technology, and Representation, 1870-1910]

[Comparative Literature 183. Film and the Human Body]

***Dramatic Arts 31 (formerly *Visual and Environmental Studies 131). Designing for the Stage**

English 164c. Literature and Visuality in America

[Foreign Cultures 21. Cinéma et culture française, de 1896 à nos jours]

[Foreign Cultures 76. Mass Culture in Nazi Germany: The Power of Images and Illusions]

[French 184. Cinema and the *auteur*]

French 194. Francophone Film and Literature

***Freshman Seminar 36o. Form in Nonfiction Film**

***Freshman Seminar 36u. Painting Natural History**

[German 244. Readings in Film Theory]

[German 261. Film and Nation]

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 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 106x. Prints From Then Till Now]

[History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and



19th Century]

[History of Science 152. Filming Science]

[Indian Studies 115. Voices of Indian Women in Literature and Film: Seminar](#)

[Latin American Studies 71. Latin American Film]

[Literature and Arts B-16. The Meanings of Abstraction in 20th-Century Art](#)

[Literature and Arts B-27. Majesty and Mythology in African Art]

[Literature and Arts B-48. Chinese Imaginary Space]

[Literature and Arts C-51. Revolution and Reaction: The Rise and Fall of the Russian Avant-Garde](#)

[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars]

[Literature and Arts C-65. Repression and Expression: Literature and Art in *Fin-de-siècle* Germany and Austria]

[Portuguese 38. Images of Brazil: Contemporary Brazilian Cinema](#)

[Romance Studies 196. Other Romances: Literature, Cinema, and Queerness](#)

[Spanish 44. Contemporary Spanish Film](#)

Women's Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Women's Studies

Afsaneh Najmabadi, Professor of History and of Women's Studies (*Chair*)

Bridie Andrews, Associate Professor of the History of Science

Janet Beizer, Professor of Romance Languages and Literature

Giuliana Bruno, Professor of Visual and Environmental Studies

Glenda R. Carpio, Assistant Professor of African and African American Studies and English and American Literature and Language (*on leave spring term*)

Bradley S. Epps, Professor of Romance Languages and Literatures

Drew Gilpin Faust, Lincoln Professor of History and Dean of the Radcliffe Institute for Advanced Study

Ruth Feldstein, Associate Professor of History and of History and Literature

Lynn Mary Festa, Assistant Professor of English and American Literature and Language

Evelynn M. Hammonds, Professor of the History of Science and of African and African American Studies

Alice Jardine, Professor of Romance Languages and Literatures

Ewa Lajer-Burcharth, Professor of History of Art and Architecture

Jane E. Mangan, Assistant Professor of History, Associate Professor of History

Sharmila Sen, Assistant Professor of English and American Literature and Language (*on leave spring term*)



Diana Sorensen, Professor of Romance Languages and Literatures and of Comparative Literature
Mary M. Steedly, Professor of Anthropology
Kath Weston, Senior Lecturer on Women's Studies (*Director of Studies*)

Affiliated Members of the Committee on Women's Studies

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Eileen Cheng-yin Chow, Assistant Professor of Chinese Literary and Cultural Studies
Janet E. Halley, Professor of Law (*Law School*)
Despina Kakoudaki, Assistant Professor of Visual and Environmental Studies and of Comparative Literature (*on leave 2003-04*)
Christie McDonald, Smith Professor of French Language and Literature (*on leave 2003-04*)
Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science and of Women's Studies (*on leave 2003-04*)
Ann Wierda Rowland, Assistant Professor of English and American Literature and Language (*on leave 2003-04*)
Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature
Judith Surkis, Assistant Professor of History and of History and Literature (*on leave 2003-04*)
Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History (*on leave 2003-04*)
Kay B. Warren, Visiting Professor of Anthropology (*fall term only*)

Other Faculty Offering Instruction in Women's Studies

Kathleen M. Coll, Lecturer on Women's Studies
Diane L. Rosenfeld, Lecturer on Women's Studies
Mary Ruggie, Adjunct Professor of Public Policy (*Kennedy School*)
Mari Ruti, Lecturer on Women's Studies (*Assistant Director of Studies*)
Despina Stratigakos, Lecturer on Women's Studies
Banu Subramaniam, Visiting Assistant Professor of Women's Studies (*University of Massachusetts, Amherst*)
Su Zheng, Visiting Professor of Music (*Wesleyan University*)

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

Mari Ruti

Half course (fall term). M., 3–5; or M., 6–8. 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. For the first class meeting of the term, all students should attend the 1pm section only.

***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 term of the junior year.

Concentrators planning to study abroad in the second term should take WS98r in the first term of the junior year.

***Women's Studies 99a. Tutorial — Senior Year**

Catalog Number: 6763

Kathleen M. Coll

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

Kathleen M. Coll

Half course (spring term). Hours to be arranged.

Note: Both Women's Studies 99a and 99b are required of all concentrators in their senior year.

For Undergraduates and Graduates

Women's Studies 1000. Introduction to Women's Studies

Catalog Number: 5688

Banu Subramaniam (University of Massachusetts, Amherst)

Half course (spring term). M., W., at 9, and an hour section to be arranged. EXAM GROUP: 2

Introduction to the fundamental questions and concepts of Women's Studies and to the basic intellectual tools of analysis integrating economic and cultural imperialism, gender, class, race, nation, and sexual orientation. Also addresses the multifaceted dimensions of women's lived experiences within a transnational and global context.

Women's Studies 1001 (formerly Women's Studies 110b). Current Problems in Feminist Theory

Catalog Number: 5590 Enrollment: Limited to 25.

Afsaneh Najmabadi

Half course (fall term). Tu., 2–4 and an hour section to be arranged. EXAM GROUP: 16, 17

Considers 1) the engagement of feminist critics with other theories and practices, including



Marxism, psychoanalysis, the work of Foucault, and deconstruction; 2) debates and discussions within feminism; 3) intersections of feminist theory with queer theory and sexuality studies, post-colonial studies, science studies, and studies of religions. The final research assignment focuses on critical consideration of one question central to the development of feminist theory and activism.

[Women's Studies 1002 (formerly Women's Studies 162). Against the Grain: Critical Approaches to Gender and Sexuality: Seminar]

Catalog Number: 4429 Enrollment: Limited to 15.

Half course (spring term). Hours to be arranged.

What does it mean to do feminist research? How do gender-centered and sexuality-centered epistemologies produce different kinds of knowledge claims? From theory to practice, students train in methodological, philosophical, and ethical approaches to conducting research on gender and sexuality, including fieldwork, narrative analysis, archival work, interview techniques, and background research for creative writing. Individual research projects offer an opportunity to implement the methodological approaches examined in class.

Note: Expected to be given in 2004–05. Required for full and primary concentrators in Women's Studies, or as an option along with 1001 for secondary concentrators. Juniors planning for senior thesis research are particularly encouraged to take this seminar.

Women's Studies 1101 (formerly Women's Studies 110c). Borders and Betrayals: Engendering Cultural Identities

Catalog Number: 7763

Kath Weston

Half course (spring term). W., 1–3 and an hour section to be arranged. EXAM GROUP: 6, 7 Gender takes different forms as it combines with race/ethnicity, class, nation, sexuality, religion, and other sorts of belonging. Explores how to “think” gender in the context of its many renditions. Topics include the constitution of cultural identities, analytic tools for conceptualizing difference, feminist and nationalist appeals to the figure of the border, identity politics, imagined communities, and conflicts generated when people appear to “cross the line.”

[Women's Studies 1102 (formerly Women's Studies 101r). Money Changes Everything: Gender and Globalization]

Catalog Number: 2174

Kath Weston

Half course (fall term). Hours to be arranged.

Uses text and film to examine the relationship between gender and globalization. Topics include the transformation of women's work, sex tourism, surveillance technologies, gender and migration, global music and media, the gendering of commodities, water politics, health impacts, the feminization of poverty, gender and capital flows, women's activism on a global stage.

Attention also given to earlier periods of colonization, conquest, and trade.

Note: Expected to be given in 2004–05.

Women's Studies 1125 (formerly Women's Studies 125). Gender and Health

Catalog Number: 4563



Mary Ruggie (Kennedy School)

Half course (fall term). M., W., at 2, and an hour section to be arranged. EXAM GROUP: 7

Based on theoretical debates between feminism and science and different understandings of health, illness, and healing, we explore the role of women, the medical profession, and various social institutions in constructing knowledge about gender and health. Among the issues we discuss are health behaviors, reproductive health, STDs, mental health, cancer, and aging. Throughout, we identify differences among women and men of different class, race, and ethnic groups.

Women's Studies 1131 (formerly Women's Studies 131). Women, Violence, and the Law

Catalog Number: 1401

Diane L. Rosenfeld

Half course (fall term). M., W., 3–4:30. EXAM GROUP: 8, 9

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? Devoted primarily to an examination of these questions in context of contemporary American culture. Feminist legal theory introduced. Readings include works of Catharine MacKinnon, Kimberle Crenshaw, bell hooks, Duncan Kennedy, Angela Browne.

Women's Studies 1154 (formerly Women's Studies 154). I Like Ike, But I Love Lucy: Women, Popular Culture, and the 1950s: Conference Course

Catalog Number: 6855 Enrollment: Limited to 35.

Alice Jardine

Half course (spring term). M., 2–4, and an hour section to be arranged. EXAM GROUP: 7, 8

A diagnosis and analysis of this formative decade for the US babyboomer. Taught from a cultural studies perspective, the course focuses on gender politics in print media, film, television, and rock of the early cold war era. Topics include: the bomb and TV, the Rosenberg trial, early civil rights movement, beat generation, Hollywood dreams of true love, Elvis Presley, Marilyn Monroe, Lucille Ball, Jack Kerouac, Joe McCarthy, Rosa Parks, and others.

Women's Studies 1160. The Gendering of Music in Cross-Cultural Perspective: Conference Course

Catalog Number: 1782 Enrollment: Limited to 35.

Su Zheng (Wesleyan University)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Drawing upon interdisciplinary theories of feminism, gender, postcolonial studies, and queer musicology, we examine music, gender, power, and identity in diverse music traditions, including popular musics, western art music, and world musics. We also address special challenges of gender in Asian American music traditions. Topics include: women's multiple roles in historical and contemporary music practices; women's images in music; sexual politics, gender ideology and music, and gay and lesbian musicology.

[Women's Studies 1201 (formerly Women's Studies 110a). Bodies and Boundaries: Conference Course]

Catalog Number: 1730 Enrollment: Limited to 25.



Katharine Park

Half course (spring term). Hours to be arranged.

History of the body, with particular attention to gender, from late Middle Ages to present. Focusing on Europe and the US, course examines ways in which the body has been used to construct boundaries between: male/female, human/non-human, races, the “normal” and the “abnormal,” 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.

Note: Expected to be given in 2004–05.

Women’s Studies 1202 (formerly Women’s Studies 134). Women’s Writing and Film in Latin America and the Caribbean

Catalog Number: 9230

Bradley S. Epps

Half course (spring term). Tu., Th., 10–11:30, and an optional hour section to be arranged.

EXAM GROUP: 12, 13

Focuses on 20th-century narrative fiction, testimony, and film by women from a variety of linguistic cultures (French, Spanish, Creole, Maya-Quiché, English, Portuguese), paying special attention to the ties and tensions between feminism and post-colonialism. Other topics include gender and genre; sexuality and the state; social engagement and artistic autonomy; nationality, nationalism, and internationalism; class conflict and the “global market”; family formations and kinship; ritual, and religion; lesbianism, heterosexuality, and bisexuality; authoritarianism and democracy.

Women’s Studies 1250. Feminism, Gender, and Science: Seminar

Catalog Number: 0821 Enrollment: Limited to 15.

Banu Subramaniam (University of Massachusetts, Amherst)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

We examine historical and contemporary analyses of the relation between gender and the practices and theories of modern science. Exploring the intersections of gender, race, class, sexuality, and science, the course examines the role of science in larger political, cultural and social projects. We examine how science has grown to be the center of our cultural visions and imaginations and what that means for our futures.

Women’s Studies 1261 (formerly Women’s Studies 161). On Love: Gender, Sexuality, Identity

Catalog Number: 4147

Mari Ruti

Half course (spring term). Tu., 2–4; W., at 4; Th., at 4 and an hour section to be arranged.

EXAM GROUP: 16, 17

Is love a threat to the integrity of the self? Or a locus of inner transformation and rebirth? Examines philosophical, psychoanalytic, and literary discourses on love, passion, and desire from a feminist perspective. The emphasis throughout is on passionate love as an inherently risky, yet also self-affirming and ecstatic, affective adventure. Authors considered include Plato, Freud, Lacan, Kristeva, Barthes, Stendhal, Nabokov, Jane Austen, Thomas Mann, Jeanette Winterson, bell hooks, St. Teresa, and Rumi.



Women's Studies 1401. Liquid Assets and Water Wars: Gender and the Global Water Crisis: Seminar

Catalog Number: 2280 Enrollment: Limited to 12.

Kath Weston

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

In many countries women collectively walk more than the distance to the moon just to supply their households with water. This seminar brings readings on the global water crisis into dialogue with gendered critiques of globalization, labor, and rights discourse. Topics include water privatization, commodification of "the commons," women's work securing water, masculinities and watershed restoration, growth of deserts and gendered migration, pollution, water-related inequalities, dam projects, and women's leadership in the water wars.

[Women's Studies 1403 (formerly Women's Studies 163). Nations, Genders, and Sexualities in Comparative Perspective]

Catalog Number: 4054 Enrollment: Limited to 15.

Afsaneh Najmabadi

Half course (spring term). Hours to be arranged.

This seminar begins by considering several classical texts on modern nation- and state-formations, and their intersection with issues of gender and sexuality, including works by Anderson, Moss, and Foucault. We then study feminist, queer, and post-colonial critiques of these ideas using specific historical and anthropological works on the Middle East, South Asia and East Asia. Focuses on the formation of modern subjectivities in the context of reconfigurations of sex, gender, and nationality.

Note: Expected to be given in 2004–05.

[Women's Studies 1404 (formerly Women's Studies 166). Women, Technology, and the Body]

Catalog Number: 3401 Enrollment: Limited to 12.

Verena A. Conley

Half course (spring term). Hours to be arranged.

Focuses on the relation between technologies, women, and the body. Special attention given to the effects of evolving technologies on representations of women's bodies in fiction, film, and theory. Readings include Hoffmann, Villiers de l'Isle Adam, Burroughs Cixous, Deleuze, Haraway, Sadie Plant, Wittig, and others.

Note: Expected to be given in 2004–05.

Women's Studies 1405. Gender, Architecture, and Space: Seminar

Catalog Number: 3215 Enrollment: Limited to 12.

Despina Stratigakos

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

What role does gender play in the theoretical understanding and concrete experience of architecture and urban space? We investigate the significance of gender in the production, use, and representation of architectural and urban spaces, and within the historiography of architectural and urban history. Adopting an interdisciplinary approach, ranging from architectural history to queer theory, the course encourages new ways of thinking about the interrelationships among architecture, urban space, the body, and gendered identities.



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**]

[**Anthropology 138. The Behavioral Biology of Women**](#)

[**Celtic 113. Gaelic Women's Poetry**](#)

[**Comparative Literature 183. Film and the Human Body**]

[**French 70b. Introduction to French Literature II: Representations of Change From the Romantics to the Present**](#)

[**French 136. Feminist Literary Criticisms**]

[**French 180. 20th-Century French and Francophone Women Writers**](#)

[**History 1854. Gender and Japanese History: Conference Course**](#)

[**History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century**]

[**Religion 1490. Feminist Theology as Systematics: A Critical Survey**]

[**Religion 1529. Personal Choice and Global Transformation**](#)

[**Romance Studies 196. Other Romances: Literature, Cinema, and Queerness**](#)

[**Spanish 135. Writing Women: Language, Culture, and Difference in 20th-Century Spanish Narrative**]

[**Spanish 184. Constructing Gender in Spanish America: "Man" and "Woman"**]

Of Related Interest

[**Afro-American Studies 118. African-American History from the Slave Trade to 1900**](#)

[**Afro-American Studies 187y. Black Cinema as Genre: From Blaxploitation to Diaspora Cinema: Seminar**]

[**Afro-American Studies 191. The Civil Rights Movement: Seminar**](#)

[**Economics 1815. Social Problems of the American Economy**](#)

[**Foreign Cultures 60. Individual, Community, and Nation in Vietnam**](#)

[**French 48b. Contemporary French Society**](#)

[**French 132a. 20th-Century French Fiction I: The Realist Mode**]

[**German 148. Freud**]

[**Historical Study B-35. The French Revolution: Causes, Processes, and Consequences**]

[**Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America**]

[**History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s**](#)

[**History of Science 175. Madness and Medicine: Themes in the History of Psychiatry**]

[**Literature and Arts A-16. Lives Ruined by Literature: The Theme of Reading in the Novel**]

[**Literature and Arts C-14. Concepts of the Hero in Greek Civilization**](#)



Literature and Arts C-43. The Medieval Court

Moral Reasoning 22. Justice

Portuguese 38. Images of Brazil: Contemporary Brazilian Cinema

[Religion 1725. Buddhism and Social Change: Seminar]

Spanish 48. Perspectives on Mexico

***Visual and Environmental Studies 180 (formerly *Visual and Environmental Studies 154ar). The Moving Image: Film and Visual Representation**

***Visual and Environmental Studies 181 (formerly *Visual and Environmental Studies 154br). Frames of Mind: Introduction to Film Theory and Film Analysis**

[*Visual and Environmental Studies 183 (formerly *Visual and Environmental Studies 155br). A Cultural Study of Film: Mapping and Fashioning Space: Seminar]

***Visual and Environmental Studies 185x. Texture Analysis: Fashion and Film: Seminar**